

altro

the future is safer with altro

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World of Altro

Premium flooring and wall cladding systems for construction and transport

Construction edition 2016

Daniel Alcaide, installer
Colober Flooring Light, for Nestle, Spain

“ We have maximised the benefits of Altro: security, **ease of installation and aesthetics**. As for standards and inspections, with Altro safety flooring there is no problem, as it is **always above the requirements** of the regulations and that is reassuring.”

Norbert Stocker, operators
Stockerhof, Pfaffenhofen, Germany

“ In addition to the benefits of the products, I am impressed by Altro's **customer service**. This applies to the **guidance** and **support** before buying, the instructions from the installation company and the smooth running of the installation. It was **perfectly coordinated** - and under time pressure.”

Jutta Jensen, Project Manager,
Project Department of Construction of Vejle Hospital, Denmark

“ There is no doubt that the **slip resistance, cleanability** and creation of a good working environment have been the most important features for us in choosing the flooring for this area. But having said that, we will always strive to choose products that also have a green profile, and **Altro have a really strong commitment to sustainability**.”

Annika von Axelson, Operations Manager
Birger Jarl, Sweden

“ **The wood-like floor works great**. Many visitors come in and tell us how fresh and nice it looks. It is also important that residents **feel at home**, which the floor really helps with.”



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Welcome to Altro

We think big at Altro – and we are globally big in premium flooring and wall cladding systems for construction and transport. We love inventing things. Safety flooring and hygienic wall cladding systems are two of our most famous innovations.

We really enjoy working in partnership with you, pioneering new technologies and products. You've told us you enjoy it too. We're devoted to sustainability, recycling and reusing our products.

Family owned and run, we share family values; we care about you, each other and what we do. We're passionate about creating a great experience for you wherever you are in the world.

Call us, we'd like to say "Hi", "Hola" or even "你好" and show you why the future is safer with Altro.

Altro at the Olympics:
winning solutions for world class installations

Over 60,000m² of sustainable Altro safety flooring were specified for the Olympics



Safety

Safety matters. It's at the heart of everything we do. We invented safety flooring back in 1947 and we're still passionate about it. We love pioneering different safety flooring solutions with sustained slip resistance for the lifetime of the product. In wet and dry, in shoes, boots, slippers, trainers or barefoot, we've taken care of it. As long as you're safe, we're happy.

We're dedicated to safety in other ways too, to help make sure that your future really is safer with Altro. Our hygienic wall cladding systems help keep you safe by making it difficult for bacteria to hide. Our resins help keep the champions of industry safe. We're a family run business that's been going strong since 1919, making sure your investment in Altro is safe too.

It's our mission to keep your slip risk level to
one in a million

sustainability

altro
promise

hygiene

safety



Why safety?

Not all safety flooring is as safe as Altro's. Some floorings have only a thin slip-resistant coating or emboss, which can easily wear away. Some floorings only provide slip resistance in dry conditions.

Sustained slip resistance in both wet and dry conditions is critical to combat the nearly 37.5 million reported major injuries from falls worldwide each year. Our unique, patented safety flooring construction incorporates slip-resistant particles throughout the wear layer. And this forms a durable surface that's slip-resistant in both wet and dry for the lifetime of the product.

Because we take safety so seriously, we develop Altro safety flooring to exceed current regulatory requirements and provide sustained slip resistance for life.

Our safety flooring doesn't just protect the people who use it, it also protects those responsible for the health and safety of their employees and visitors.

37.5
million falls

Slips, trips and falls are the most common cause of injury in the workplace. Nearly 37.5 million falls worldwide require medical attention each year.

424,000
people

Each year an estimated 424,000 people die from falls globally.

Falls: global concern

Falls are the second leading cause of accidental or unintentional deaths from injury worldwide.

A thin layer of water,
just a tenth of a human
hair's thickness,
can prevent contact
between shoe and floor
and cause an accident



Testing and measuring

At Altro, we go above and beyond what's legally required, to deliver safety flooring you can count on for its entire lifetime. We don't just meet existing test standards, we're raising the bar and pioneering new, rigorous testing protocols.

We believe that the best way to measure slip resistance is using the Pendulum Test, which is preferred by the Health and Safety Executive. It has several advantages over the Ramp Test, the biggest being that it can be used to measure in situ floor coverings – making it the only method that tests sustained slip resistance. And, Ramp Tests are carried out on pre-installed ex-factory materials and don't measure slip resistance after a few months when a floor's coating may have worn off.

We've gone even further than this, investing in additional tests to prove that our products consistently deliver to the highest standards. We insist on testing a product when it's already installed – the only way to accurately measure its true performance. It's a pioneering approach that gives you complete peace of mind.

Pendulum Test

(BS7976) measures the slipperiness of a wet floor. The Pendulum Test gives a Pendulum Test Value (PTV). ≥ 36 denotes low slip potential.

Altro safety flooring exceeds the ≥ 36 rating indicating the lowest potential for a slip.

European test EN 13845

This counts particles after wear to give a measure of sustained slip resistance. 50,000+ cycles are awarded top classification 34 / 43, classed as 'very heavy commercial / heavy industrial'.

Altro safety flooring passes 50,000+ cycles.

Ramp Test (DIN 51130)

This measures the angle at which a pedestrian slips on an oil-covered ramp.

The range is from R9–R13, with R9 indicating the least slip resistance.

Altro safety flooring is R12 and below.



Only Altro have
gone the extra
mile to make
sure your risk
of slipping is
one in a million

SATRA Pedatron Test

This test mimics reality by measuring the effect of one million steps on a confined area of flooring.

Altro's results indicate sustained slip resistance.

Why Altro safety flooring?

Our products are unique. We invented safety flooring and our pioneering spirit guides everything we do. We're proud of the string of industry firsts to our name, and we're the only manufacturer to put sustainability at the heart of our product design.

We never stop improving. Right now, we're investing in new technologies to deliver more groundbreaking products that benefit our clients, their customers and our planet. And quality always comes first; we spend years perfecting each product before delivering it to market, and we work hard to ensure the highest standards at every level.

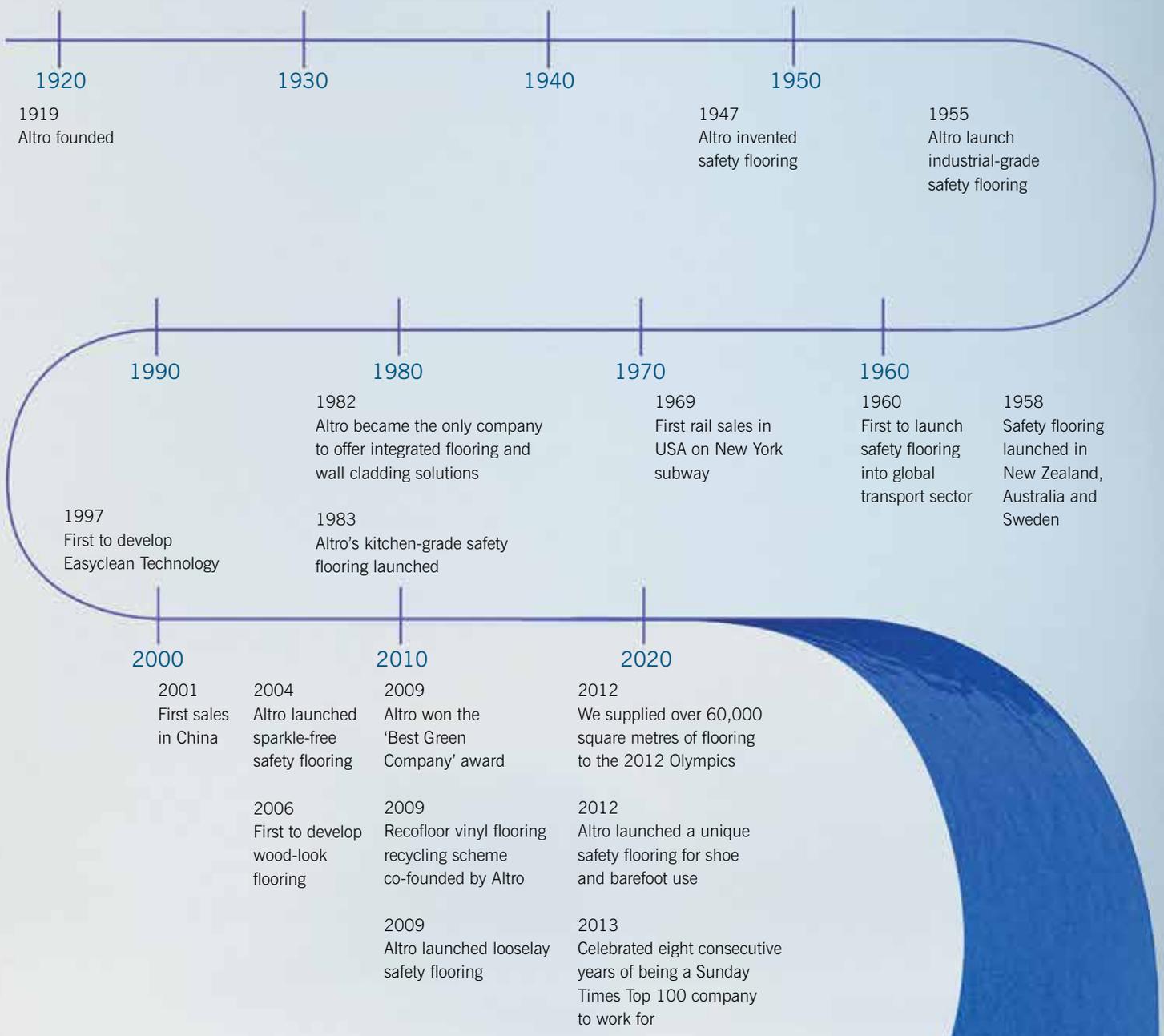
We test vigorously and we're even championing more rigorous testing and greater transparency across our industry – so everyone benefits.

The traditional and new generation manufacturing methods we use both have one thing in common – the slip-resistant particles in our safety flooring are found throughout the entire wear layer, providing sustained slip resistance for the lifetime of the product.

1947
Altro invented safety flooring

The story continues...





Hygiene

Hygiene is about the total environment, from floor to ceiling. It's about how we create our products: the technologies we use and the properties of our ranges.

We have designed a fully integrated system to make cleaning and maintenance easier for you. Its surfaces are watertight and fully sealed around fixtures and fittings, the sort of detailing that bacteria and micro-organisms just hate, and will help you maintain the strictest levels of hygiene and infection control. It means that you will enjoy the long-lasting hygiene performance of our products, and is just one of the ways in which your future is safer with Altro.

High performing, long-lasting,
hygienic products **which won't let you down**

safety

altro
promise

sustainability

hygiene



Hygienic systems

The European Centre for Disease Prevention and Control estimates that over 4 million patients are affected by around 4.5 million healthcare associated infections in Europe each year. These infections account for 37,000 attributable deaths. That's why we care so much about hygiene. That's why we're so passionate about developing a hygienic system that keeps on delivering in the most demanding environments.

We were the first company to innovate a complete system of compatible wall cladding and flooring. As the system is fully integrated, it fits together perfectly to provide a hygienic, watertight covering. No gaps or rough edges, just a smooth, uninterrupted surface – even around plug sockets, light switches and corners. As well as offering the best possible protection against bacteria and vermin, this makes cleaning easy too.

A sealed environment

A hygienically sealed system of walls, doorsets and flooring – airtight and watertight all over.

System integrity

Joints and junctions are key to system integrity. Altro products offer smooth and secure joining methods that prevent the ingress of dirt and moisture.

Easy to keep clean

Altro products are non-porous and non-shedding, so nothing can get in or out. And because they have high impact resistance, damage that can trap bacteria is unlikely.



First and only company
to innovate a complete
integrated hygienic wall
cladding and flooring system

Hygienic materials

Impermeable, easy to clean and tough enough to take hard knocks day after day. That's what hospitals, kitchens and other working environments demand – and that's what every Altro safety product delivers. Our wall cladding and safety flooring are specifically designed to meet today's hygiene regulations, giving our customers complete peace of mind. We only use the finest raw materials, with stringent quality control measures that guarantee high standards and consistency.

Resistance

Resistant to water, chemicals, staining and odours, Altro products are easier to keep clean.

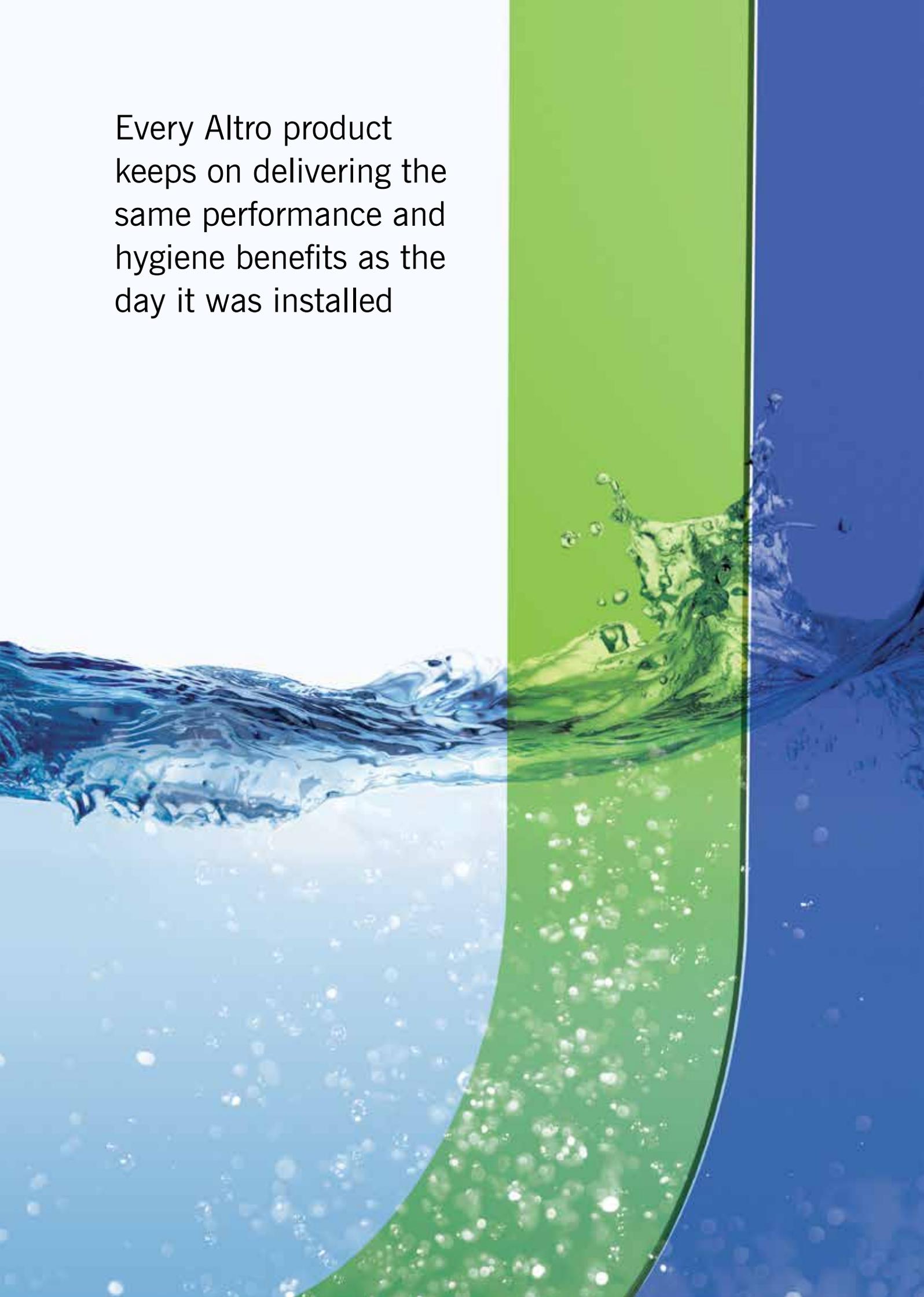
Hygiene

Altro products are a hygienic alternative to tiles, carpet, wood and linoleum, with no grout, unsealed joints or fibres to trap dirt.

Toughness

High impact resistance means no damage that can trap bacteria, making Altro products easier to keep clean.

Every Altro product
keeps on delivering the
same performance and
hygiene benefits as the
day it was installed



Maintaining safety and hygiene

Our flooring, hygienic wall cladding and doorsets are developed to support the cleanest of environments. They perform exceptionally well, and will carry on doing so for the lifetime of the installation.

Altro wall cladding and flooring are so popular because they're safe, hygienic and durable. And to make sure they stay that way, it's important to clean them for the lifetime of their installation, something we've made as easy as possible. Altro products are often used in environments where high standards of cleanliness are very important, but hard to maintain due to constant use.

Healthcare

Altro products are resistant to chemicals and designed to withstand tough cleaning regimes for infection control.

Transport

We can provide a robust, hard wearing surface that resists odours and chemicals and has little chance of damage that can trap dirt and bacteria.

Food preparation

Altro safety flooring and hygienic wall cladding are HACCP-approved and meet European regulations for hygiene and ease of cleaning.



We pioneered
Easyclean Technology
and continue to push
the boundaries in
hygiene and cleanliness

Sustainability

Sustainability drives the choices we make. It starts with the raw materials we choose to go into our products: environmentally-friendly raw materials that enable us to produce phthalate-free vinyl flooring containing bio-plasticisers. Our commitment to sustainability made us the first manufacturer to recycle traditional safety flooring in-house and led to us being first to market 100% recyclable and reusable safety flooring post-installation, which took the flooring industry by storm.

Our Steps to Sustainability programme is our holistic approach to managing sustainability issues. It represents just some of the ways in which we strive to make your future - and the environment - safer with Altro.

We make your future - and your environment - **safer with Altro**



Taking responsibility

We recognise that sustainability is about being both environmentally and socially responsible, while also taking economic impact into account. So, as well as pioneering new recycling processes to reduce waste, we're also engaging with our local community through apprenticeships, and school and university visits. And as well as operating a zero-waste-to-landfill policy for our PVC products, we're proud to have our manufacturing base in the UK, creating national employment opportunities and supporting our local economy as well. We're fully committed to honouring our environmental and social responsibilities, while continuing to provide long term, sustainable and safe flooring and wall cladding solutions too.

Ingredients

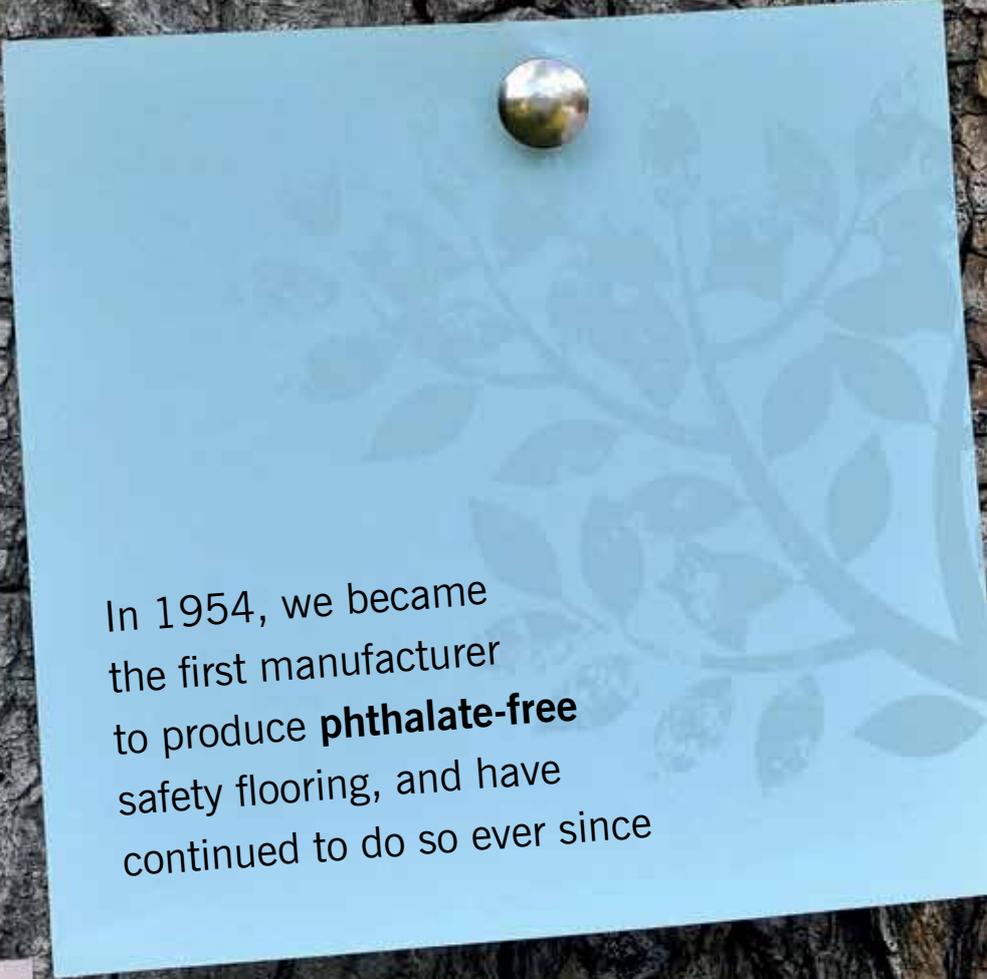
PVC is made from 57% salt and 43% oil, with global PVC production accounting for just 0.3% of the world's oil consumption.

Low carbon footprint

PVC takes less energy to manufacture than rubber, linoleum and wood-based products. It can be recycled many times over, without compromising its physical properties.

Indoor air quality and VOCs

Altro safety flooring complies with international indoor air quality schemes, and does not generate significant amounts of VOCs.



In 1954, we became
the first manufacturer
to produce **phthalate-free**
safety flooring, and have
continued to do so ever since



We were the first
to invent **100%**
usable, reusable
and recyclable post-
use safety flooring:
award-winning
Altro XpressLay



Our safety flooring
is **free from harmful**
substances like
lead, cadmium and
formaldehyde and
contains a bioplasticiser
from a renewable
European source

Resource efficiency

At our manufacturing base, we're committed to using resources efficiently and are actively reducing waste, energy and water consumption, and implementing closed-loop recycling processes. We've operated a zero-PVC-waste-to-landfill policy since 2014 by investing in, and installing, the world's first safety flooring recycling system. Altro are one of two founder members of Recofloor™, the industry's vinyl take-back scheme which collects vinyl off cuts and diverts them from landfill. Since the launch of the scheme in 2009, Recofloor has diverted over 2,500 tonnes of waste vinyl flooring from landfill. We also set up Recowall™, the UK's first wall cladding recycling scheme.

Recyclable

Not only do we recycle hundreds of tonnes of safety flooring each year, but our products contain up to 20% recycled content.

Resource efficiency

We achieved zero waste-to-landfill in 2014; waste is either recycled or incinerated with energy recovery.

Accreditation

All Altro safety flooring has major international ratings including BRE Generic Green Guide rating of A / A+, Green Star and LEED.



We've achieved zero %
waste-to-landfill

The Altro promise

We care strongly about each other, our customers, our work and the environment. We place our customers first in everything we do and encourage collaboration between our colleagues and our customers. As a family run business we share our family values with everyone we work with, as well as each other.

We're committed to supplying high performance flooring and wall cladding in all aspects of service and support. This starts with your initial enquiry and then continues through installation. And we're still there to listen to you and help you, afterwards, whatever your query. Our customer care and technical services teams help keep your investment in Altro safe for the life of the product: when you tell us that you're happy, that makes us very happy indeed. We will offer an exceptional customer experience and continually put your needs at the heart of what we do, making sure your future is safer with Altro.

We place our customers at
the **heart of everything we do**

altro
promise



Valuing our customers: customer experience

Valuing our customers is at the heart of what we do. We make our products for you and we go out of our way to make every part of your experience with us a positive and rewarding one. From product quality testing to consultant support, long guarantees to site visits, maintenance support and Continuing Professional Development training, we take care of everything so you don't have to. And of course, The Altro Assurance is a recognisable testament to our dedication to customer satisfaction.

Our Voice of the Customer programme helps us to stay in touch with our customers' needs, wishes and opinions. All Altro employees take part in the programme as we feel it's vitally important we meet our customers and find out what they think. Customer feedback is circulated throughout the company and used to improve the way we do things.

Supporting you

We stand by our products and back them over their lifetime with full technical support, so you're supported all the way.

Helping you

Our technical services team will be there for you from your initial query, through installation and the life of your product.

Valuing you

Because your peace of mind matters to us, we offer you some of the longest guarantees in the industry.

A close-up, high-angle photograph of a woman kneeling on a sandy beach. Her hands are resting on the sand, and she is wearing a ring and a bracelet. The background is a vast expanse of sand, and the lighting is warm, suggesting a sunny day. The text is overlaid on the left side of the image.

You spend over
150 days of the
year visiting us,
helping to shape
our decisions

Valuing our customers: partnership relationships

We work with nearly 150 partners worldwide. We choose like-minded partners whose values match ours, so that together we deliver an outstanding customer experience. Working together we pioneer new technologies and products; growing the market in new geographic areas. We develop sustainable and valuable, long-term relationships as we believe these are the way to deliver excellent customer service.

Our partners are always backed with full Altro resources, so they enjoy the local training, product and marketing support that a global brand can supply.

Working as partners

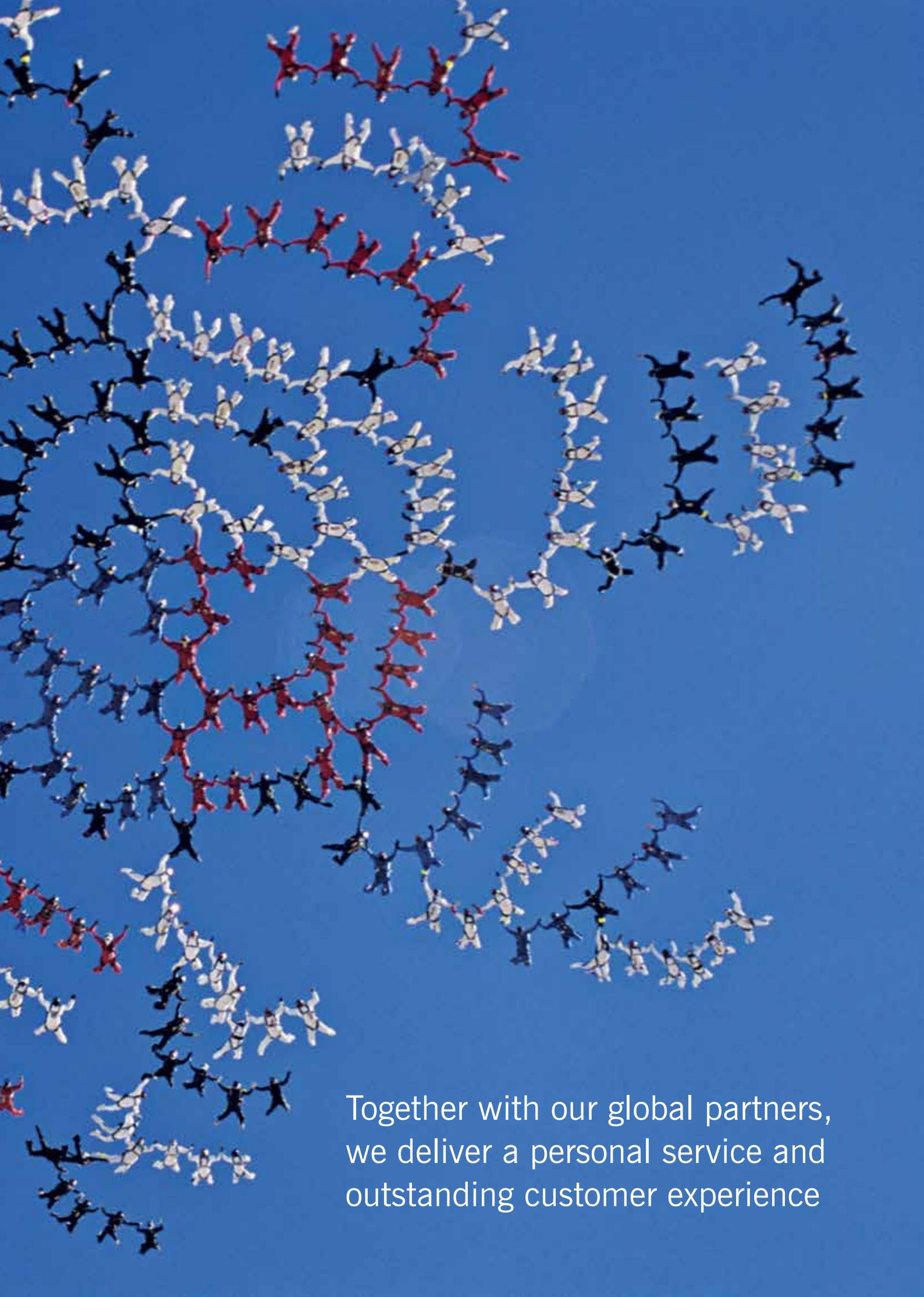
Every step of the way, our partnerships follow a clear, comprehensive path to full integration as part of the Altro family.

Training our partners

We believe thorough and regular training is essential to maintain standards and develop our businesses.

Supporting our partners

We support our partners before, during and after projects, putting our customers at the heart of our delivery.



Together with our global partners,
we deliver a personal service and
outstanding customer experience

Valuing each other

Great products and outstanding service are only possible with great people. That's why we invest so much in fostering positive working relationships within Altro. Being a family run business affects how we treat each other, and valuing each other is the cornerstone in the way we work. It's reflected in the company culture where enablement, empowerment and opportunity are nurtured.

We're always ready and willing to share our own expertise in sustainable decision-making with you – because together we really can make a difference.

Employee wellbeing

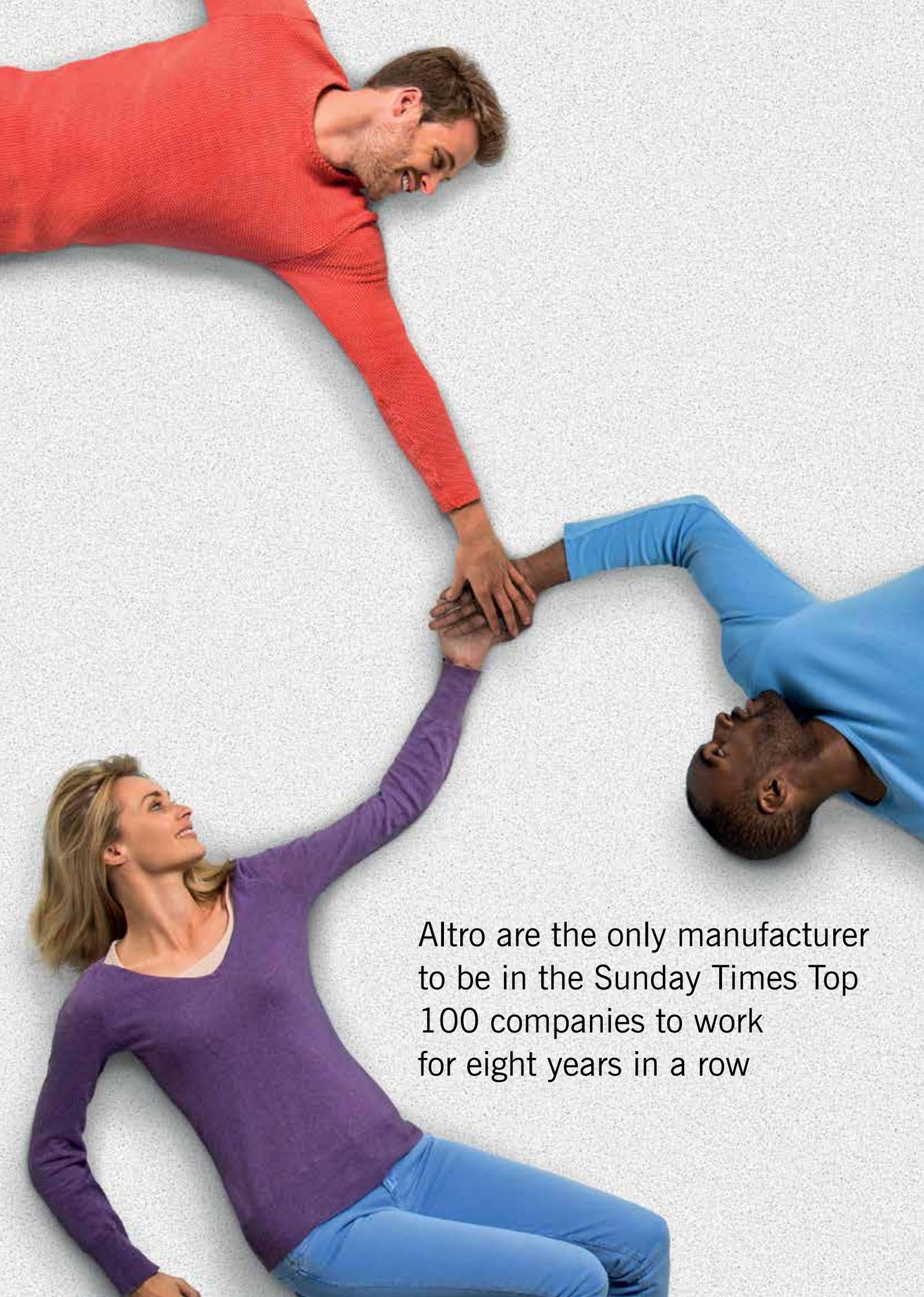
All new employees have access to an extensive support network and attend workshops in employee wellbeing.

Family values

We've been a family run business with family values for three generations.

Learning and development

We encourage a learning culture where everyone has the opportunity to achieve their potential.



Altro are the only manufacturer
to be in the Sunday Times Top
100 companies to work
for eight years in a row

Our key sectors

We operate in diverse sectors. Our core customer bases are in health and social care, food and drink, and education, as well as transport, where safety and hygiene are of paramount importance. We also operate in other sectors that need safety flooring and wall cladding for tough environments. These include leisure, retail and offices, prisons and defence centres, and manufacturing and warehousing.

Diverse sectors.
Global reach. Local touch.

Health and social care

The most demanding environments need hygiene and safety with long-lasting resilience. Altro integrated flooring and wall cladding offer just that, and more; they're attractive too and will retain their looks for life. So once you've created a beautiful, calming interior for your patients, residents and staff, you know they'll enjoy it for years to come.

Our products are sustainable and can easily cope with the demands of heavy pedestrian and wheeled traffic. And for more specialist applications, we've developed specific solutions with industry experts that can help enhance well-being.



Food and drink

Food and drink preparation and production areas can spell danger with grease, fat, cooking oil, flour, baking powder, food particles and the occasional chopped carrot ending up on the floors and walls. Yet everyone from the canning manager on the night shift to the four-year-old sitting down to lunch needs to be safe. Altro's sustainable flooring and wall cladding systems provide long-lasting safe and hygienic surfaces for wet, dusty and greasy conditions. And they can be combined to create visually striking eating areas, functional factories or practical and comfortable serveries.



Transport

Altro Transflor has been satisfying the diverse needs of commuters and day trippers in buses and on rail for decades. And, if the unexpected happens, we'll have taken care of the emergency ambulance too. Our products deliver safety and comfort and design; backed by compliance with the latest international regulations. But we haven't neglected our softer side. We can do pretty too. We have exciting designs and colours that will help create the 'wow factor' and set the right mood. Investing in an Altro Transflor product is an investment in a complete system – a full range of accessories, including adhesives, colour co-ordinated weld rods and sealants, nosings, trims and mouldings is available.



Education

Painting sunflowers, exploding a home-made volcano, the starring role in Hamlet; the dramas of growing up all take their toll on your floors and walls. But from nursery to university – we have the needs of crawling toddlers through to towering graduates covered. It's why we combine safety and hygiene with durability and resilience.

As the needs of your learners evolve with time, your needs will too, and so too will the ways we can help you. Our sustainable flooring and wall cladding provide flexible and robust solutions for changing environments, stimulating young minds and contributing to an enjoyable working environment.



Products

Flooring

Altro safety flooring

Altro invented safety flooring and we still love pioneering new products in this area. Available in heavy duty, versatile, inspirational and specialist solutions, our resilient flooring exceeds international safety and hygiene standards and offers sustained slip resistance for the life of the product. With up to 42 colours per range, you can create contemporary or traditional interiors which are designed to impress.

Altro resin flooring

Stunning, highly decorative public areas. Very heavy duty manufacturing plants. Seamless, robust custodial accommodation. Just some of the applications served by the versatility of Altro epoxy and polyurethane resin systems.

Altro smooth flooring

Equally at home in the high street or the workplace, Altro smooth flooring provides attractive designs that are easy to maintain and install.

Altro rubber flooring

Strong, stylish and versatile, you can feel the difference of rubber flooring underfoot. Altro rubber surfaces offer long-term performance, underfoot resilience and comfort.



Products

Wall cladding

Altro Whiterock hygienic wall cladding

We invented hygienic wall cladding systems back in 1982. Since then, we've gone from strength to strength to bring you even more choice in one fully integrated system for areas where hygiene is paramount. Altro Whiterock is designed for compatibility with our doors, wall protection, safety, resin, smooth and rubber flooring too.

Altro Fortis wall and corner protection

Protect your walls and corners in your hardest-working areas with Altro Fortis. Perfect in busy public and service areas prone to bumps and knocks, Altro Fortis will help you keep your environment looking at its best! The good news is, it also offers matching doorsets and door protection panels.



Products

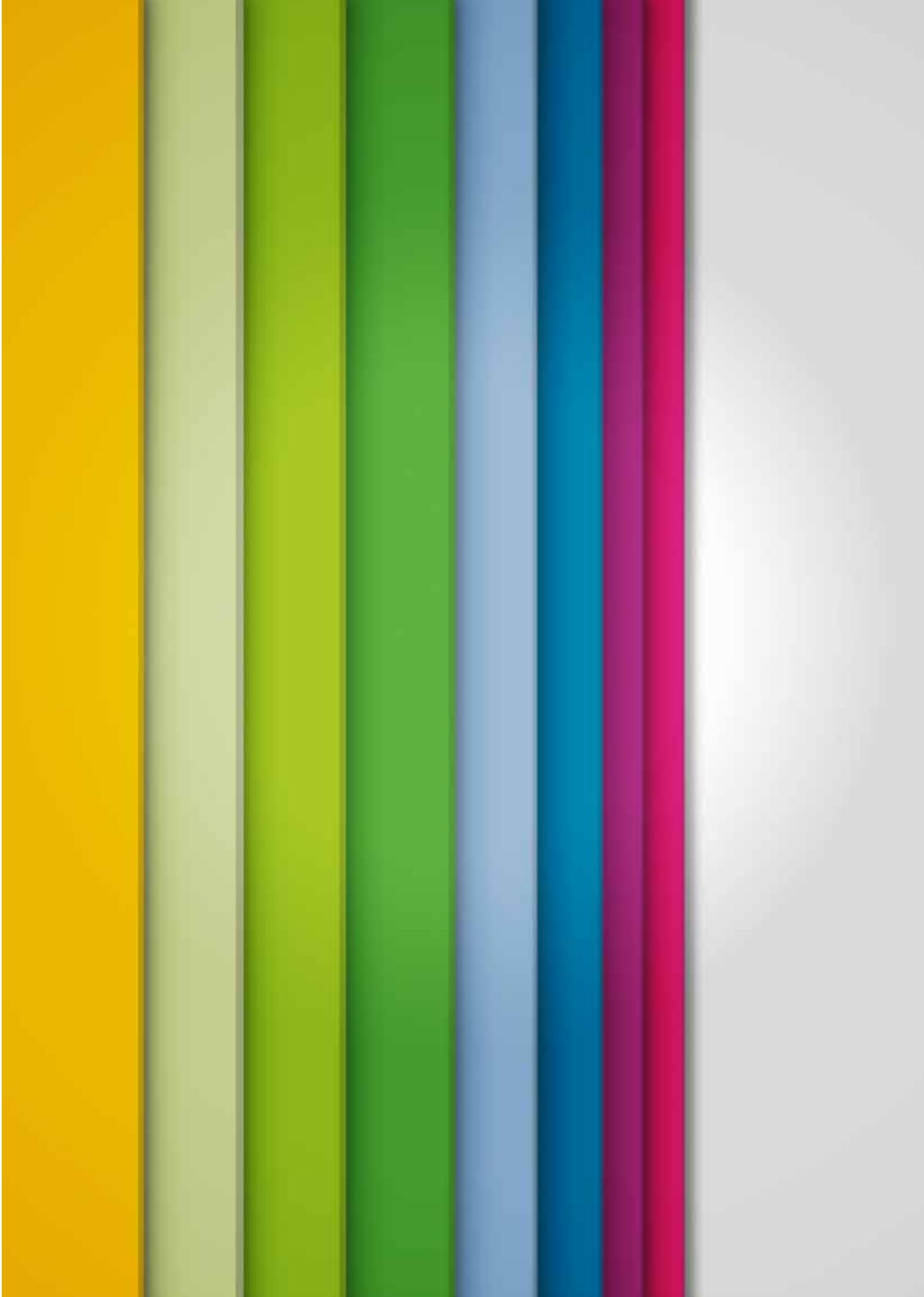
Doors

Doorsets

Doors are forever on the move, taking a lot of abuse. So you need a hard-working solution, to keep them working hard: fully clad PVCu doorsets. That's your whole door and frame taken care of. In areas where hygiene is crucial, opt for Altro Whiterock hygienic doorsets. Where wear and tear is more of an issue, Altro Fortis doorsets will keep you protected.

Panels

Where you may not need a whole, fully clad doorset, you can choose partial protection; helping prevent scuff and impact damage. Protect the most vulnerable parts of your door with panels, including pushplates and kickplates. You can either order a sheet and cut it to suit your needs, or leave all the hard work to us and we'll cut it to size for you.





ZwanzigZehn Bürgers Restaurant and Bar

Compatible flooring and wall cladding system

Made for each other

Anthony and Cleopatra. Ant and Dec. Fish and chips. Some things are meant to be together – like Altro flooring and Altro wall cladding. They've been designed to fit together perfectly, forming a sealed, watertight system for enhanced safety and hygiene. And because our flooring and wall cladding are designed to be compatible, when they're installed correctly, you won't need to worry about joined surfaces 'parting company'. This makes them great for areas like kitchens and bathrooms where you can't compromise on safety and hygiene.

Coordinating designs

Our flooring, wall cladding and doorsets aren't just designed to work well together – they're designed to look good together, too. We develop our colour palettes to match or complement each other, so you can create harmonious interiors.

Of course, there are times when you want colours to contrast – for example, to aid way finding for those with dementia or impaired vision. We have lots of expertise in this area and can give you information on appropriate colour combinations.

Matching accessories

We also have a range of accessories to enable you to create watertight, fully sealed junctions between our flooring and wall cladding – including colour-matched joints and welds for discreet transitions and a great-looking installation. Job done.

Saving you time, hassle and money

When you buy flooring and wall cladding from us, life becomes easier. You'll just need to deal with one person, saving you time and hassle. We also offer the convenience of:

- full project management, including specification writing, cleaning information and on-site demonstrations
- dedicated technical hotline, customer care centre and local sales consultants covering all projects
- site visits when required – pre, during and post installation
- readily-available stock and delivery, with a nationwide distribution network
- a full range of CPD presentations to help you understand the key factors in product choice
- package pricing

Peace of mind

Altro were established over 95 years ago and we're now a leading global manufacturer. This means you can rely on us to deliver what you need, when you need it. The Altro promise is our commitment to putting you first in everything that we do.

Guarantees for products

We have full confidence in the long-term performance of our products, and we back this up with generous, industry leading guarantees.

Tested and proven products

With over 60 years' experience in safety flooring and 30 years' experience in hygienic wall cladding, we have an in-depth understanding of the market and know our products stand the test of time.

- All Altro products are rigorously tested to UK and European standards
- We have lots of case studies and testimonials for your references
- Trial areas and local references sites are available – just ask

Sustainability

We can help you reduce your carbon footprint with our sustainable products. Our safety flooring contains recycled parts, and some of our flooring can be re-used and recycled post-consumer. To maximise recycling of our products, we co-founded the Recofloor recycling scheme in 2009 and founded Recowall in 2010.

Don't forget, if you want help writing NBS specs just ask!

Introduction to Altro wall cladding

With over 30 years' experience, we know a thing or two about wall cladding. Effective, impervious, protective wall cladding can make all the difference when it comes to easy, low-cost maintenance and hygiene across a wide range of environments.

We have two solutions, Altro Whiterock hygienic wall cladding and Altro Fortis wall protection. Choosing your wall cladding solution is simple; it's all about where you need to use it.

Is hygiene critical?

For areas where hygiene is paramount, we recommend the Altro Whiterock hygienic wall cladding range (see pages 48 and 50). Typical installations include clinical areas such as operating theatres, wards and labs, plus kitchens and bathrooms.

Is wall protection, rather than hygiene, the key driver?

For non-clinical, busy public and service areas, we recommend Altro Fortis, our protection system for walls, doors and corners (see pages 48 and 62). This hard-wearing, scuff-resistant option has a lightly textured surface and it is ideal for areas subjected to high levels of traffic such as school corridors.

The Altro Whiterock hygienic wall cladding range is great for a high-end look or if a smooth surface is what's required.



Wall cladding technical chart

Technical chart		Altro Whiterock White	Altro Whiterock Satins	Altro Whiterock Chameleon	Altro Whiterock Splashbacks	Altro Fortis Titanium	Altro Fortis corner protection
Guarantee		20	20	20	20	20	20
Life expectancy		25	25	25	25	25	25
Surface		Satin	Satin	High Gloss	*dependent on product	Textured	Textured
Thickness		2.5mm	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm
Weight		3.5kg/m ²	3.5kg/m ²	3.5kg/m ²	3.5kg/m ²	3.5kg/m ²	3.5kg/m ²
Density	ISO 1183	1.39	1.39	1.38-1.42	1.38-1.42	1.39	1.39
Hygiene		High	High	High	High	Moderate	Moderate
Ease of cleaning		Easy	Easy	Easy	Easy	Easy	Easy
Chemical resistance		High	High	High	High	High	High
Fire tests	BS 476 pt 7	Class 1	Class 1	Class 1	Class 1	-	-
	BS 476 pt 6	Class 0	Class 0	Class 0	Class 0	-	-
	EN13501	B s3 d0	B s3 d0	B s3 d0	B s3 d0	B s3 d0	B s3 d0
Max service temperature		60°C	60°C	60°C	60°C	60°C	60°C
Water absorption	ISO 62	0.09	0.09	0.09	0.09	≤0.1%	≤0.1%
Shore hardness	ISO 868	79	79	85	*dependent on product	79	79
Impact resistance	Charpy ISO 179	Good	Good	Good	Good	Excellent	Excellent
Gardner Impact resistance (in-lb)	ASTM D4226	-	-	-	-	131	131

* Contact Altro for further information



Types of Altro Whiterock hygienic wall cladding

Classic solution

Altro Whiterock White is the timeless alternative to ceramic tiles for areas where hygiene and durability are paramount – like commercial kitchens, clinical areas, clean rooms and laundries.

Versatile solution

Available in a range of solid, satin-finish shades – from subtle pastels through to vivid brights – Altro Whiterock Satins can be used where aesthetics are important and you want to create a particular mood. It's ideal for bathrooms, operating theatres, wards and splashbacks.

“Create the right impression with your chosen photographic image or art reproduced onto wall cladding.”

Inspirational solutions

When you want to make a bold statement, choose Altro Whiterock Chameleon – the glossy, vibrant hygienic wall cladding that adds a touch of luxury to ‘high-end’ bathrooms, foyers, serveries, retail and splashbacks.

Create the right impression with your chosen photographic image or art reproduced onto wall cladding. From company logos to calming landscapes, Altro Whiterock Digiclad is a great choice for feature walls in foyers, wards, patient rooms, operating theatres, recovery rooms and coffee shops.

Add the finishing touch to your interior with bespoke Altro hygienic doorsets. Available in a wide range of colours, finishes, sizes and configurations, they can be customised to your exact requirements and are ideal for areas where durability and cleanability are key.

Total solution

Need to meet the most rigorous hygiene regulations? Create an impervious, airtight and watertight system with Altro Whiterock hygienic doorsets (see page 72), Altro Whiterock hygienic wall cladding and Altro flooring.





How to order accessories

To order matching sealants and trims simply select from the list below and add the two or three digit colour reference number, under the swatch shown on each product page.

Wall cladding accessories:

- Altro Whiterock weld – WSR_
- For jointing / transition edging strips, see page 67.

Altro Whiterock accessories:

- Colour co-ordinated sealant - A805/_
- To order white sealant, simply quote A802.

Altro Fortis accessories:

Altro Mastic XT™ dries harder than standard mastic, reducing build-up of dirt and making it easier to clean.

- Colour co-ordinated mastic sealant – AXT/_

Altro FlexiTrim™ has a bevelled top edge trim for dado height, reducing the build-up of dust or dirt. It is supplied in 35m coils.

- Top edge trim – Altro FlexTrim/_

Matching doorsets

Doorsets are available in any Altro Whiterock and Altro Fortis colour, see page 72.



Rosemary Shrager's Cookery School

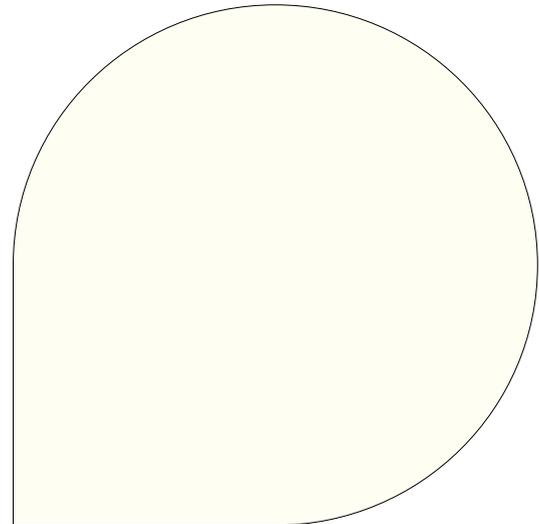
Altro Whiterock White™

Typical applications:

Kitchens: cold store, cook, chill, food prep.
Clinical areas. Clean rooms. Laundries. Mortuaries.

Thinking of replacing ceramic wall tiles with a proven, high performance option? Consider Altro Whiterock White – the hygienic alternative to tiles that's impact resistant, grout-free and easy to clean. Its smooth white surface and classical purity make it a timeless choice for any interior.

Altro Whiterock White is Hazard Analysis and Critical Control Points (HACCP) approved and is made from a high-quality, food-safe PVCu polymer that can handle temperatures up to 60°C. It meets all current European Union (EU) Directives on health and hygiene. This makes it particularly suitable for use in commercial kitchens.



White
 01
 WSR01

LRV: 89

- Looks great with:
- Altro Stronghold 30
 - Altro Classic 25
 - Altro Designer 25
 - Altro Fortis system

i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Sealants** are available. See page 51.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material.
 ☎ 01462 707 700
 ✉ samples@altro.com

Dimensions W103: 2500 x 1220mm W104: 3000 x 1220mm
Format SHEET
Thickness 2.5mm

CE
 EN15102:2007
 Manufactured by:
 Altro Ltd, Works Road
 Letchworth Garden City
 SG6 1NW
 United Kingdom



Please see technical chart on page 48 for full details.



Altro Whiterock Satins™

Typical applications:

- Bathrooms, showers and changing areas.**
- Operating theatres and wards. Splashbacks.**
- Cooking and food preparation areas.**
- Serveries. Kitchens open to public view.**

Use colour to subtly create a mood with Altro Whiterock Satins. This versatile and sophisticated wall cladding is available in a range of solid, decorative, satin shades – from soothing and healing through to stimulating.

Of course, Altro Whiterock Satins still provides the impact resistance and hygiene you would expect from Altro Whiterock, with a stain-resistant, wipe-clean surface.

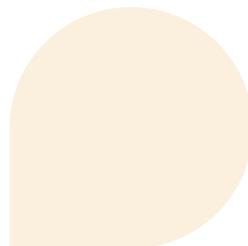
Altro Whiterock Satins can be combined with Altro non-sparkle safety flooring to achieve the required Light Reflectance Value difference needed for the requirements of the Equality Act 2010.



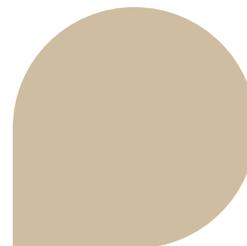
Chesterfield Royal Hospital



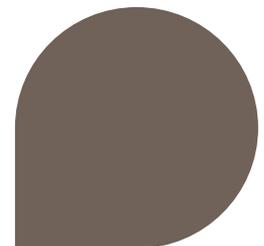
Linen
41 LRV: 83



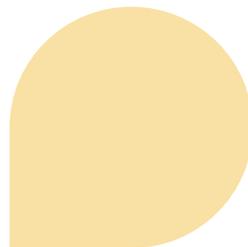
Oyster
32 LRV: 70



Fawn
206 LRV: 41



Fenland
219 LRV: 13



Daybreak
222 LRV: 69



Cesco
53 LRV: 71



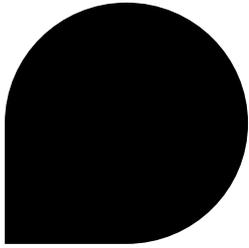
Ice
44 LRV: 80

Looks great with:

- Altro Aquarius
- Altro Unity 25
- Altro Designer 25
- Altro Suprema
- Altro Wood Safety
- Altro Whiterock Digiclad
- Altro Fortis system

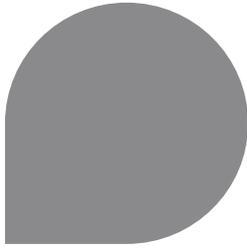
Please see technical chart on page 48 for full details.





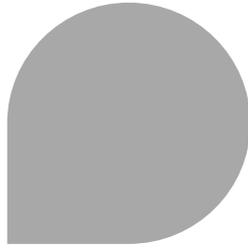
Dakota

209 LRV: 6



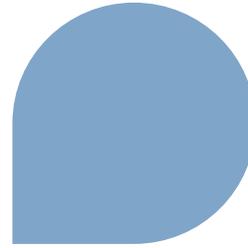
Urban

210 LRV: 28



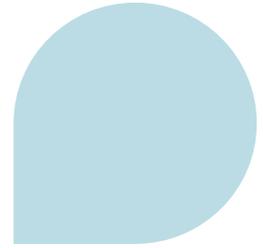
Echo

208 LRV: 43



Flint

201 LRV: 32



Clarity

207 LRV: 64



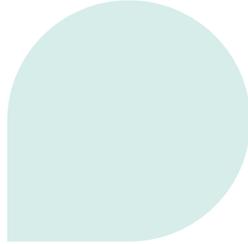
Ozone

211 LRV: 10



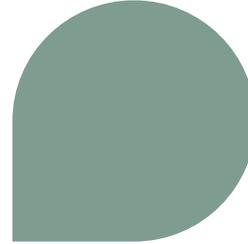
Seafoam

43 LRV: 81



Mint

203 LRV: 62



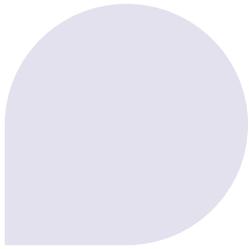
Promenade

212 LRV: 32



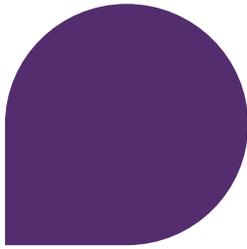
Vibrance

213 LRV: 22



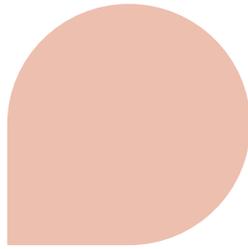
Malva

57 LRV: 68



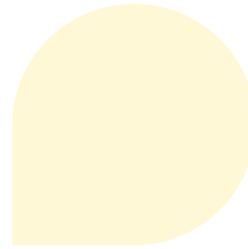
Viola

214 LRV: 13



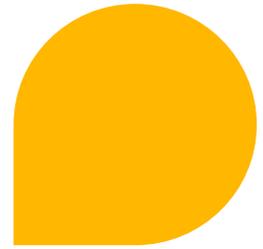
Sorbet

216 LRV: 59



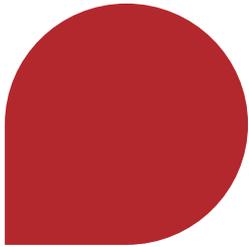
Citron

56 LRV: 80



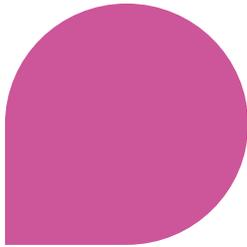
Glow

215 LRV: 50



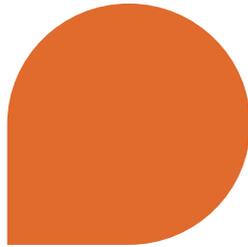
Scarlett

221 LRV: 13



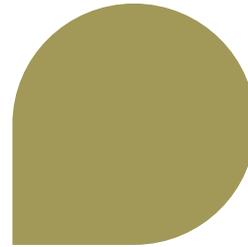
Zandra

217 LRV: 24



Bergamot

220 LRV: 26



Olea

218 LRV: 28

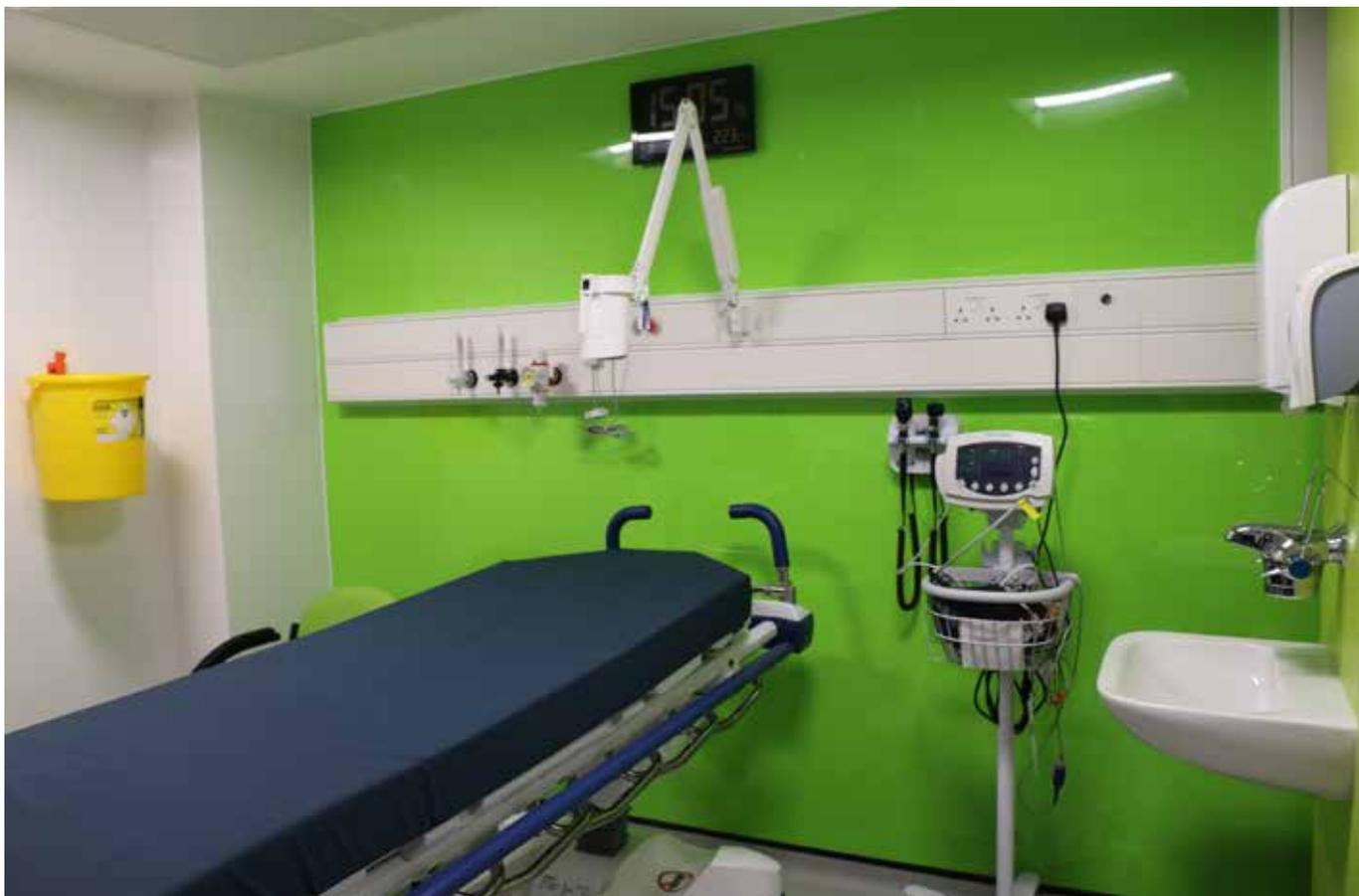


i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Sealants** are available. See page 51.

LRV = Light Reflectance Value

Dimensions W136: 2500 x 1220mm W137: 3000 x 1220mm
Format SHEET
Thickness 2.5mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com



Whittington Hospital

Altro Whiterock Chameleon™

Typical applications:

**'High end' bathrooms, showers and changing areas.
Foyers. Serveries. Retail. Splashbacks.**

Make a bold statement with Altro Whiterock Chameleon – the glossy, vibrant and vividly colourful hygienic wall cladding. Altro Whiterock Chameleon is available in 16 high impact, high-design shades to add a little bit of affordable luxury to a range of environments.

Offering all the benefits of Altro Whiterock, Altro Whiterock Chameleon is very durable, with a smooth, watertight, wipe-clean surface.

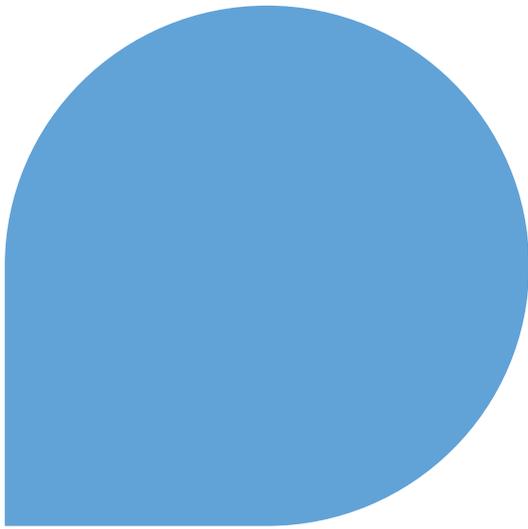


Looks great with:

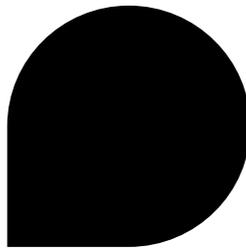
- Altro Aquarius
- Altro Unity 25
- Altro Suprema
- Altro Wood Safety
- Altro Whiterock Digiclad
- Altro Fortis system

Please see technical chart on page 48 for full details.

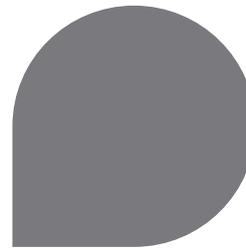




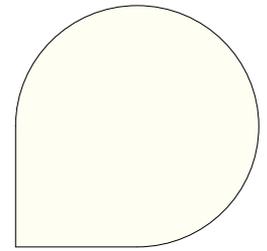
Slip Stream
6611V LRV: 36



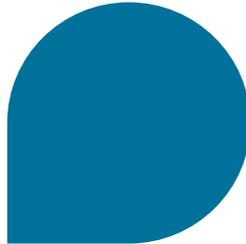
Liquorice
6612V LRV: 5



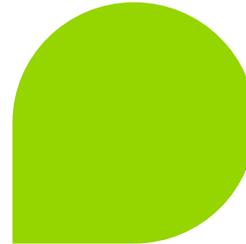
Distant Thunder
6634 LRV: 18



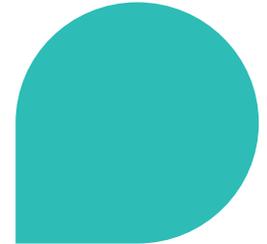
Pure Innocence
6601V LRV: 92



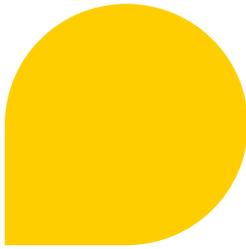
Night Fall
6622V LRV: 15



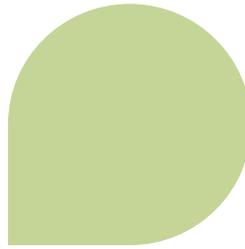
Key Lime
6635 LRV: 50



Sheer Glass
6609V LRV: 40



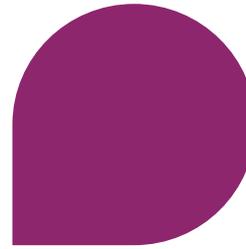
Taxi Cab
6636 LRV: 51



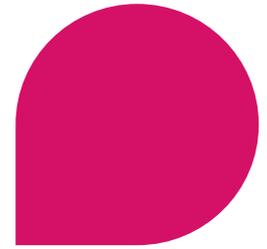
Eau De Chic
6605V LRV: 51



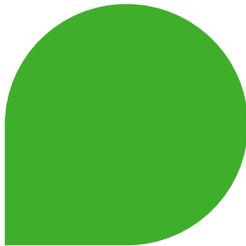
Ocean Deep
6637 LRV: 6



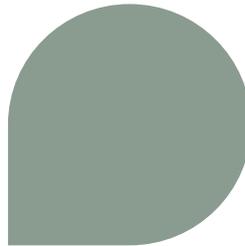
Feng Shui
6617V LRV: 9



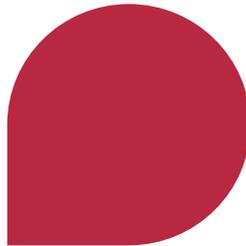
Shocking Pink
6616V LRV: 15



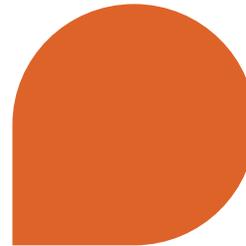
Hawaiian Palm
6638 LRV: 22



Ice Queen
6629V LRV: 36



Moulin Rouge
6618V LRV: 12



Juicy Lucy
6620V LRV: 20



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Sealants** are available. See page 51.

LRV = Light Reflectance Value

Dimensions W160: 2500 x 1220mm W161: 3000 x 1220mm
Format SHEET
Thickness 2.5mm

Samples
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700
✉ samples@altro.com



NCH Ohio

Altro Whiterock Digiclad™

Typical applications:

**Feature walls – foyers and reception areas.
Wards and bedrooms. Patient rooms. Operating theatres. Recovery rooms. Coffee shops.**

Create the right impression with a bespoke design on your wall. From a calming coastal landscape in a hospital ward to a bold company logo in a reception area, the only limit is your imagination.

Altro Whiterock Digiclad is created by reproducing a photographic image or vector art onto Altro Whiterock wall cladding, with consistent, photographic quality. Hard-coat technology provides scratch-resistant properties for added surface protection, making Altro Whiterock Digiclad ideal for areas where durability is important.



Looks great with:

- Altro Whiterock Satins
- Altro Whiterock Chameleon
- Altro Fortis system
- Altro Suprema
- Altro Wood Safety
- Altro Unity 25
- Altro Walkway 20
- Altro XpressLay



University College London Hospital



Hertfordshire NHS trust

Order in 6 easy steps

- 1**

You supply us with an illustrator or eps file of your image. minimum 300 dpi


- 2**

Tell us the size of the area you need to cover


- 3**

We advise you of the price


- 4**

You place your order and receive a pdf


- 5**

You approve the pdf and choose either a satin or gloss finish


- 6**

Your Altro Whiterock Digiclad image is ready within 21 working days of being approved



Dimensions 2500 x 1220mm 3000 x 1220mm
Format SHEET
Thickness 2.5mm



Alfred Hospital

Altro Whiterock Splashbacks™

Typical applications:

Bathrooms. Hydrotherapy. Spas. Changing rooms. Serveries.

Hygienic, low-maintenance, convenient and easy to install...no wonder Altro Whiterock Splashbacks are such a popular alternative to tiles. They're available as kits in a range of sizes to suit most hand wash basins and vanity units, or custom sized for the perfect fit.

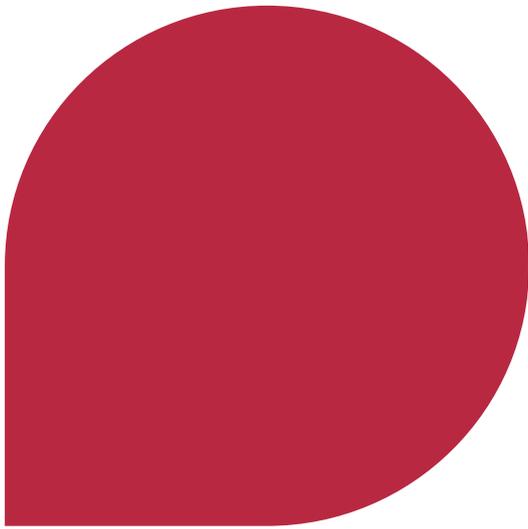
Giving you the flexibility to coordinate or contrast, Altro Whiterock Splashbacks come in a vast array of colours and finishes complemented by colour-matched sealants. Choose from Altro Whiterock Satins or Altro Whiterock Chameleon ranges, pick your size, and away you go.

Standard sizes:

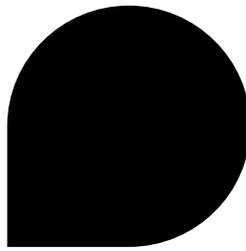
Ref SB10/..... 500 x 305	Ref SB14/..... 1220 x 500
Ref SB8/..... 625 x 305	Ref SB13/..... 1220 x 625
Ref SB6/..... 833 x 305	Ref SB2/..... 2500 x 305
Ref SB9/..... 500 x 610	Ref SB3/..... 1250 x 610
Ref SB7/..... 625 x 610	Ref SB12/..... 1220 x 833
Ref SB4/..... 1250 x 305	Ref SB11/..... 1250 x 1220
Ref SB5/..... 833 x 610	Ref SB1/..... 2500 x 610

Dimensions Cut size only, in mm
Format SHEET
Thickness 2.5mm

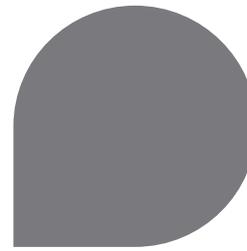




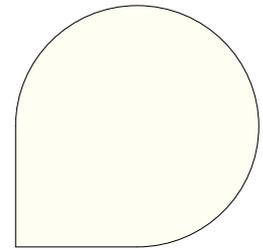
Moulin Rouge
6618V LRV: 12



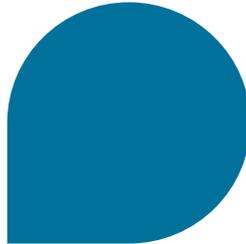
Liquorice
6612V LRV: 5



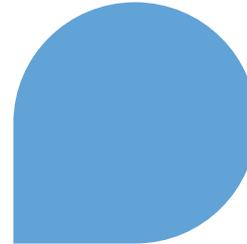
Distant Thunder
6634 LRV: 18



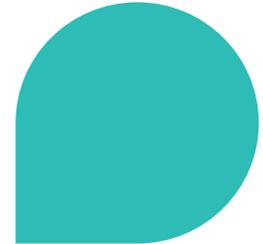
Pure Innocence
6601V LRV: 92



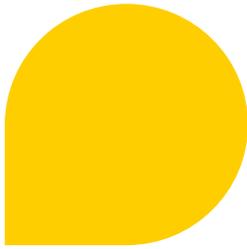
Night Fall
6622V LRV: 15



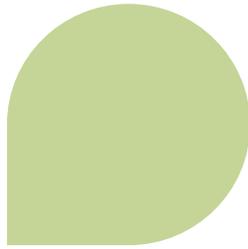
Slip Stream
6611V LRV: 36



Sheer Glass
6609V LRV: 40



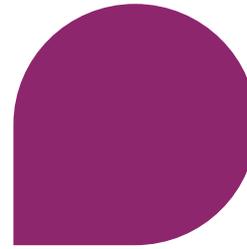
Taxi Cab
6636 LRV: 51



Eau De Chic
6605V LRV: 51



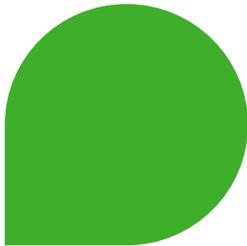
Ocean Deep
6637 LRV: 6



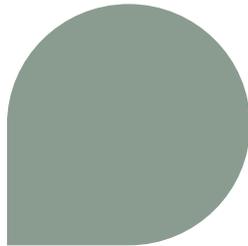
Feng Shui
6617V LRV: 9



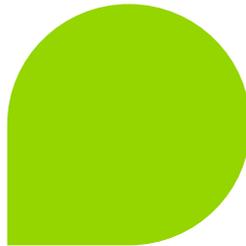
Shocking Pink
6616V LRV: 15



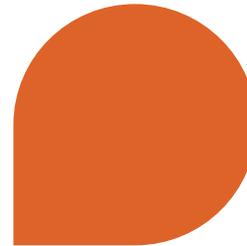
Hawaiian Palm
6638 LRV: 22



Ice Queen
6629V LRV: 36



Key Lime
6635 LRV: 50



Juicy Lucy
6620V LRV: 20

Also available in
Altro Whiterock Satins,
for colours see
pages 54-55.



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Sealants** are available. See page 51.

LRV = Light Reflectance Value

Looks great with:
• **Altro Whiterock range and Altro safety flooring, especially Altro Aquarius**

Please see technical chart on page 48 for full details.

Samples
If colour choice is critical, please request a sample of the material.

01462 707 700
samples@altro.com

Types of Altro Fortis wall protection

In public areas where feet, bags, equipment and wheels are a constant, maintenance can be ongoing and costly, and cleaning difficult. Altro Fortis is a system that offers seriously tough, 2.5mm thick protection for walls, doors and corners. It is perfect for education, health and retail where appearances matter. The Altro Fortis system keeps interiors safe from impact and scuff damage and looking good for longer.

A complete solution

Altro Fortis can be used in conjunction with Altro 2.5mm safety flooring for an integrated tough and safe environment. It also works well with Altro Whiterock hygienic wall cladding, creating aesthetic consistency between hygienic and general areas.

Tailored protection

The Altro Fortis system is available in three options to ensure protection exactly where needed:

Altro Fortis Titanium™ wall protection / sheet

Altro Fortis™ door protection (see page 77)

Altro Fortis™ corner protection (see page 67)





Altro Fortis Titanium™

Typical applications:

Public areas subjected to high levels of traffic. Circulation areas. Corridors. Classrooms.

Altro Fortis Titanium is the saviour of busy public areas. Doors and plaster board walls can easily be damaged, be it scrapes and knocks as people pass, or more serious dents and holes caused by wheeled traffic. Altro Fortis Titanium has been specifically designed to protect these surfaces in busy public areas.

Altro Fortis Titanium is constructed from highly durable semi-rigid sheet, which is dense, impervious material, resistant to bumps. It features a lightly textured surface, which camouflages scuffs, keeping the wall area looking better for longer.

Available in ten colours, including muted and vibrant shades, Altro Fortis Titanium matches many of the popular shades from the Altro Whiterock Satins hygienic wall cladding range. This offers flexibility when it comes to design, making it a versatile solution across a range of areas. Plus the colour runs throughout, reducing the visibility of knocks or scrapes. Bespoke colour options are also available to meet any specific requirements*.

With an impervious, easy-to-wipe surface, Altro Fortis Titanium improves cleanability which is a major advantage within its recommended application areas.

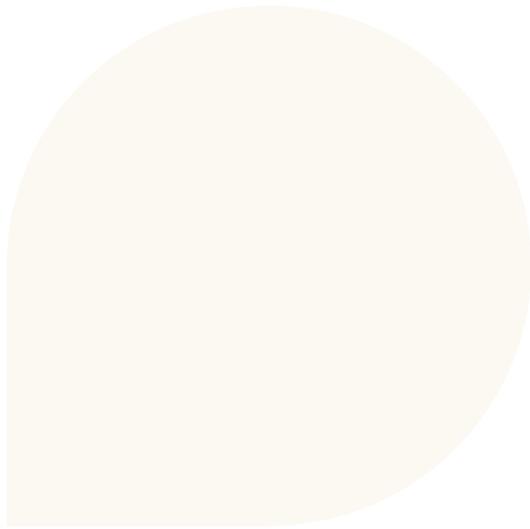
* Conditions apply – please contact us for more information.

Looks great with:

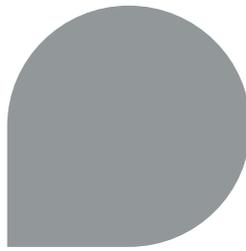
- Altro Fortis doorsets
- Altro Fortis door protection
- Altro Fortis corner protection
- Altro Classic 25
- Altro Unity 25
- Altro Designer 25
- Altro Whiterock White
- Altro Whiterock Satins
- Altro Whiterock Chameleon
- Altro Whiterock Digiclad

Please see technical chart on page 48 for full details.

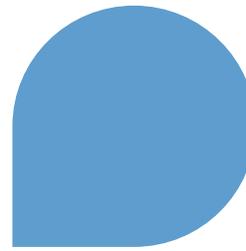




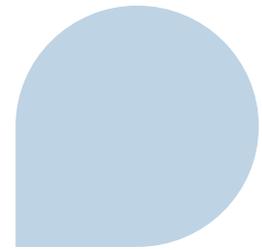
Pearl
FT/41 LRV: 83



Battleship
FT/208 LRV: 43



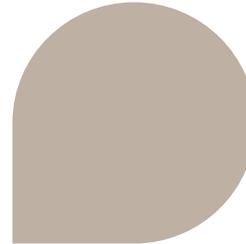
Denim
FT/201 LRV: 32



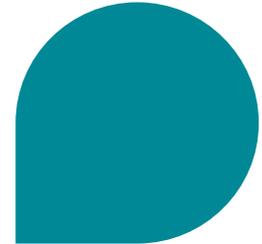
Riviera
FT/207 LRV: 64



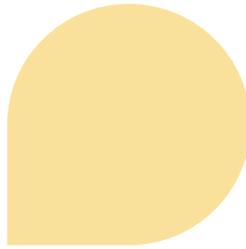
Almond
FT/32 LRV: 70



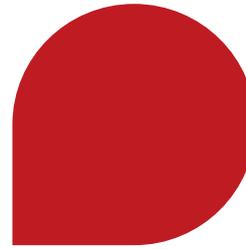
Tan
FT/206 LRV: 41



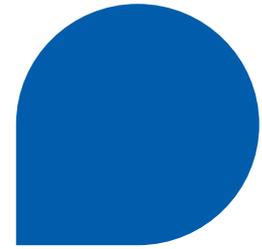
Kingfisher
FT/213 LRV: 22



Mustard
FT/222 LRV: 69



Cardinal
FT/221 LRV: 13



Oxford
FT/211 LRV: 10



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Sealants** are available. See page 51.

LRV = Light Reflectance Value

Dimensions WFT: 3000 x 1220mm
Format SHEET
Thickness 2.5mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com

Ground Floor

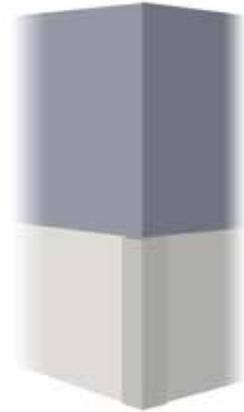


Altro Fortis™ corner protection

For extra protection on a wall's vulnerable corner, choose our ready-made Altro Fortis Titanium corner protection, part of the Altro Fortis system. If this isn't right for you, there is the option for you to thermoform from Altro Fortis Titanium cut sheet.

Available in all Altro Fortis Titanium colours, see page 65.

Dimensions: 1.22m x 75mm x 75mm.

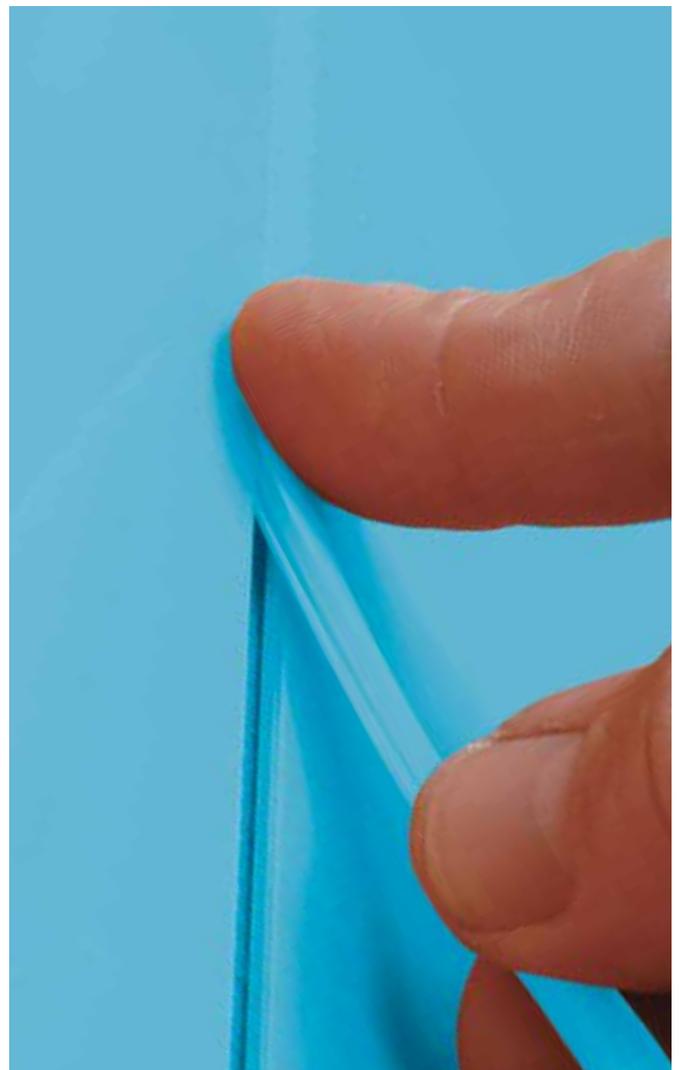


Jointing

Joints and junctions are a key part of system integrity. There are two really popular ways of creating junctions between your wall cladding and flooring. One is the overlap method, where the wall cladding overlaps the flooring and the junction is sealed with mastic. The other is the transition strip method.

When you install wall cladding, smooth, secure joints make cleaning easier and help stop dirt, moisture, bacteria or vermin from settling. Altro wall cladding can be secured using one of five different types of joint:

1. **Welded:** the most hygienic joint, it's flush to the surface, and the only one suitable for clean rooms and operating theatres. It's also suitable for general hospital use and kitchens.
2. **Single-part:** used for safety reasons, it's ideal for secure units as it can't be pulled off.
3. **Two-part:** the quickest and easiest joint to fit, it's aesthetically pleasing and forgiving on an uneven surface. Often used in kitchens, it can be used almost anywhere except specialist clean areas and secure units.
4. **Altro Whiterock FlexiJoint:** a slim, aesthetically-pleasing joint unique to Altro and available in pre-cut lengths. It can be used nearly everywhere apart from specialist clean areas and secure units.
5. **Altro Mastic XT:** a silicone sealant for use with Altro Fortis which dries harder than standard mastic, reducing build-up of dirt and making it easier to clean.



Samples

If colour choice is critical, please request a sample of the material.

☎ 01462 707 700

✉ samples@altro.com

Introduction to Altro doors

Altro doorset systems

Doors have it tough. The resulting wear and tear can be unsightly, cause costly maintenance and be hard to clean. This is where Altro's doorset systems come in. With two systems available, there is a solution for any area either where hygiene is crucial, or for highly trafficked, general purpose spaces. All our doorset systems come with a 10 year guarantee which covers all parts of the door.

Altro door protection panels

Most impact damage to a door will happen at the points where trolleys, feet and hands come into contact with it. Altro door protection panels offer protection exactly where it's needed. There is the option to cut our standard sheets to suit the area you want to protect but, to make things as easy as possible, we also offer a cutting service.



Altro doors technical chart

Technical chart		Altro Whiterock hygienic doorsets	Altro Fortis doorsets	Altro Fortis door protection
Guarantee		10	10	20
Life expectancy		15	15	25
Surface		*dependent on face product	Textured	Textured
Thickness		49mm	49mm	2.5mm
Weight		*	*	3.5kg/m ²
Density	ISO 1183	-	-	1.39
Hygiene		High	Moderate	Moderate
Ease of cleaning		Easy	Easy	Easy
Chemical resistance		High	High	High
Fire tests	EN13501	-	-	B s3 d0
	BS476 pt 22: 1987 clause 7	30 min / 60 min	30 min / 60 min	-
Max service temperature		60°C	60°C	60°C
Water absorption	ISO 62	*	*	≤0.1%
Shore hardness	ISO 868	79	79	79
Impact resistance	Charpy ISO 179	-	-	Excellent
Gardner Impact resistance (in-lb)	ASTM D4226	-	-	131

* Contact Altro for further information

FIRE EXIT



Altro doorset systems



Altro Whiterock™ hygienic doorsets

Typical applications:

**Operating theatres. Pharmacies. Kitchens.
Corridors. Labs.**

In areas where hygiene is crucial, or where doors take a lot of abuse, Altro Whiterock hygienic doorsets are the answer. Faced with PVCu, they're not only tough and impact-deflective, but also hygienic and low maintenance.

Altro Whiterock hygienic doorsets are custom-made to meet your needs, and can be designed for use on their own or as part of a complete Altro system including hygienic wall cladding and flooring. They're available in colours that can complement your decor or create contrast to aid with wayfinding.

Altro Fortis™ doorsets

Typical applications:

**Hospital corridors. School / university corridors.
Lobbies.**

This fully clad, custom-made option is perfect for public areas where doors are constantly in use and demand robust protection. Faced with the Altro Fortis Titanium sheet on both sides and all edges, these doorsets offer you optimum protection.

Doorsets faced with Altro Fortis Titanium are hard-wearing, impact and scuff resistant and have a wipe clean finish for easy maintenance. They can be used alongside Altro Fortis Titanium wall protection sheet and Altro Fortis corner protection to create a complete, robust protection system where it's needed.



Looks great with:

- **Altro Whiterock White /
Altro Whiterock Satins /
Altro Whiterock Chameleon /
Altro Whiterock Digiclad**
- **Altro Designer 25**
- **Altro Unity 25**
- **Altro Stronghold 30**

Please see technical chart on
page 70 for full details.



Samples

If colour choice is critical,
please request a sample
of the material.

☎ **01462 707 700**

✉ **samples@altro.com**



Altro doorset overview



- Bespoke service to meet different size and specification requirements
- Faced with Altro 2.5mm EU grade PVCu to both sides and all edges
- Available in a range of colours to help comply with the Equality Act 2010 requirements
- Leading edges thermoformed for smooth round corner finish
- Hard-wearing, impact resistant, wipe clean finish
- Impervious surface helps prevent bacteria and dirt ingress
- Solid core doors, 49mm thick as standard. Altro doorsets have been tested to BS 476 Part 22: 1987 Clause 7 and have been assessed to meet 30 and 60 minute fire resistance integrity and insulation
- Stainless steel hinges with Class 8 fire rating, PVCu encapsulated handles as standard
- Glazed vision panels, push plates, rubbing rails, kicker plates and ironmongery as required
- Matching PVCu frame linings and plastic stops made to measure for existing openings

Frames

Door frames are available in a variety of forms. All are manufactured with ease of cleaning and hygiene in mind with fewer areas for dirt and contaminants to gather.

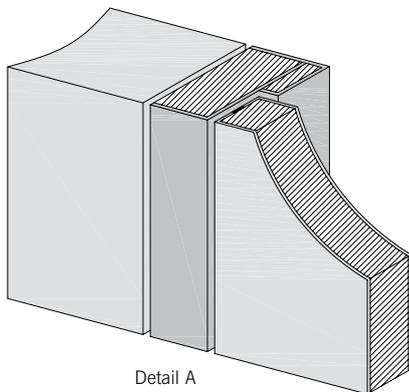
Detail A

One piece door frame - Frames can be made to suit the wall thickness enabling them to fit flush with the wall surfaces.

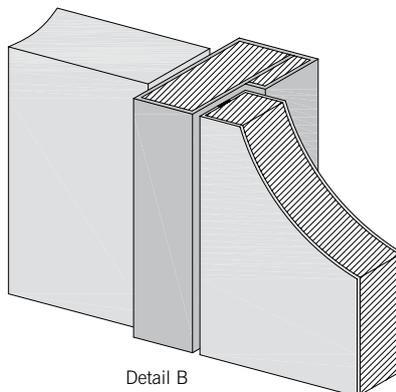
Note: tight construction tolerance is required with regard to vertical alignment of walls if this detail is chosen. Abutments are to be sealed with Altro silicone sealant, or architraves can be used (see Detail D). Alternatively fit the edge of the frame back from the face of the wall min 10mm to form, reveal and seal the abutment (see Detail F).

Detail B

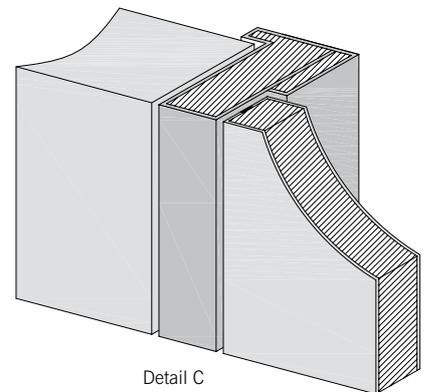
One piece overlapping frame - The frame is manufactured wider than the wall thickness. Altro Whiterock or Altro Fortis Titanium is wrapped around the back to encapsulate the frame and will accommodate greater construction tolerances with regard to vertical wall alignment.



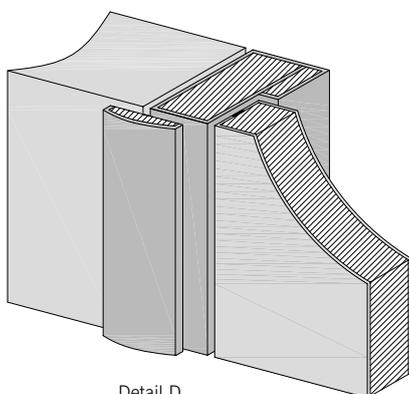
Detail A



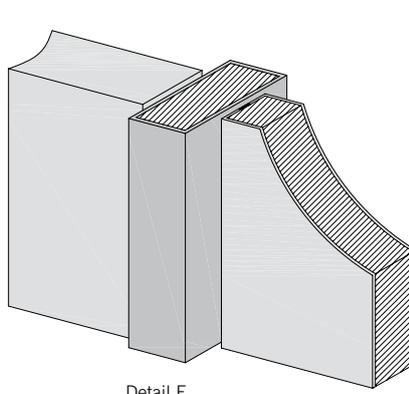
Detail B



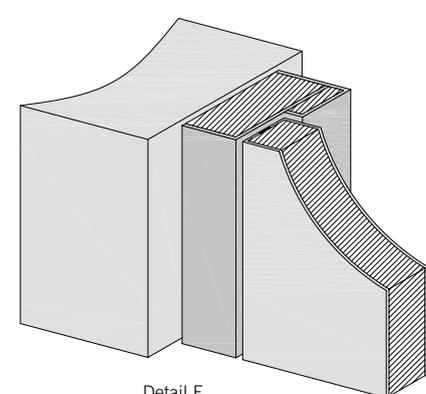
Detail C



Detail D



Detail E



Detail F

Detail C

One piece rebated frame overlapping one side - The design of this door frame is such that it is manufactured 20mm wider than the thickness of the wall it is being installed into, thereby enabling the frame to be installed prior to the wall cladding or wall protection, enabling a more accurate abutment. It also eliminates the requirement for architraves to one side and will accommodate a wider tolerance in the wall construction.

The rebated frame provides closing to one side, with no architraves. Architraves or sealant are required to close out the opposite side.

Detail D

Frame Detail A with architraves.

Detail E

Double action doorset hung in an overlapping frame.

Detail F

Frame Detail F is set back from the face of the wall to form a reveal which accommodates greater construction tolerance with regard to vertical wall alignment.

Note: all doorsets will be manufactured to suit structural opening dimensions, the overall frame will be 10mm less than the opening width and min 5mm less than the opening height.

Door types

When choosing your doorset, there are a few things to consider. First, what format do you need? Our doorsets are available in a range of standard sizes and formats, and you can also choose from bespoke sizes in single, leaf and a half, double and double action configurations.

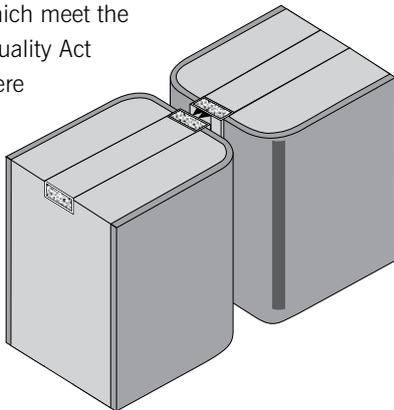
Next, you'll need to consider factors such as your vision panel, ease of installation, fire resistance (none, 30-minute or 60-minute), smoke control and acoustics (none or 29 RwdB).

Doorsets can be ordered in any Altro Whiterock or Altro Fortis Titanium colour, so you can coordinate or contrast.

Whatever your specific requirements, we can customise our doorsets to meet them. And because Altro doorsets come as a complete set, the technical performance and integrity of your installation are assured.

Seals

Altro fire-rated doorset systems are tested to BS476 part 22 and are fitted with intumescent seals, which further enhance the overall high quality construction of the doorset to provide increased fire protection. Alternative seals are available in a variety of forms to combat smoke, sound and air transfer. We can also fit wider seals in contrasting colours, which meet the requirements of the Equality Act 2010 in situations where doors are normally held open.



Coloured doorsets are available in any Altro Whiterock White (page 52) Altro Whiterock Chameleon (pages 56-57), Altro Whiterock Satins (pages 54-55) or Altro Fortis Titanium (pages 64-65) colours.



Ironmongery

A range of standard ironmongery sets are available for Altro doorset systems. You can either choose between factory fitted sets or specify ironmongery that's particularly suitable for your requirements.

Hinges

All doorsets are supplied pre-hung with heavy duty satin washed stainless steel hinges as standard.

Kickplates

Surface mounted stainless steel kickplates are optional and are used to protect the door from day-to-day wear and tear.

Locks, latches and flushbolts

Doors are supplied with housings for either Altro standard or your own specified ironmongery.

Projecting hardware eg handles and door closers

Standard range available or as specified, packed separately from doorsets for installation on site.

Anti-ligature

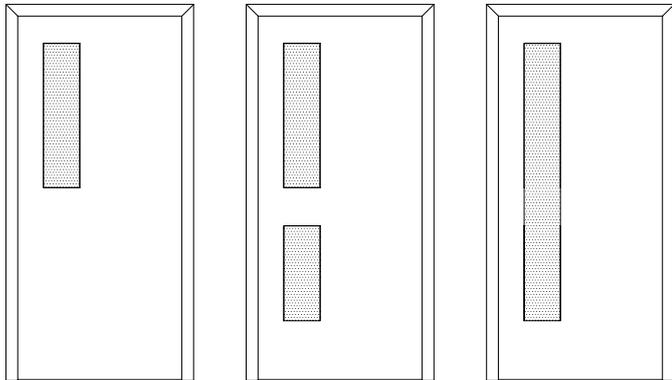
Doorsets can be manufactured to meet specified anti-ligature requirements. Please contact Altro for further information.



Vision panels

In many applications the vision panel is a key feature of the door and the Altro range has a wide selection to choose from. Standard designs are pictured below.

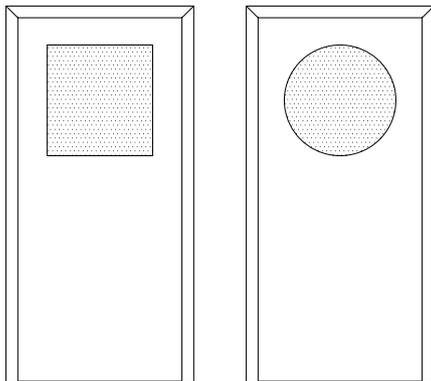
Bespoke designs can also be catered for.



ALVP1

ALVP2*

ALVP3*

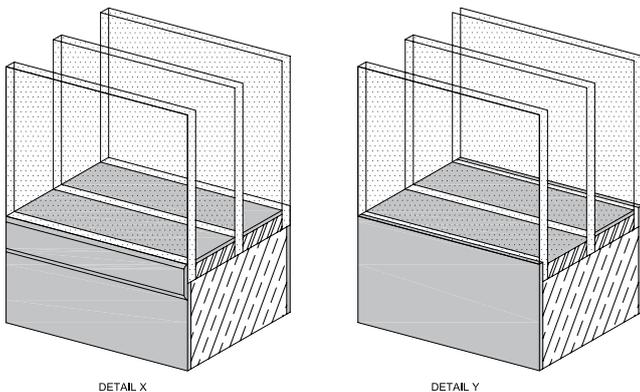


ALVP4

ALVP5

* complies with building regulations part M and BS8300

Vision panels can be glazed as per our two standard glazing systems indicated below. Alternatively vision panels can be supplied with internal blinds or louvres if privacy is required. Bespoke glazing is also available; discuss your requirements with Altro direct.



DETAIL X

DETAIL Y

Flush glazed doors are supplied with two acrylic glazing panels. A central glass pane is incorporated in fire rated doors.



Altro Fortis™ door protection

Typical applications:

Public areas subjected to high levels of traffic. Circulation areas. Corridors. Classrooms.

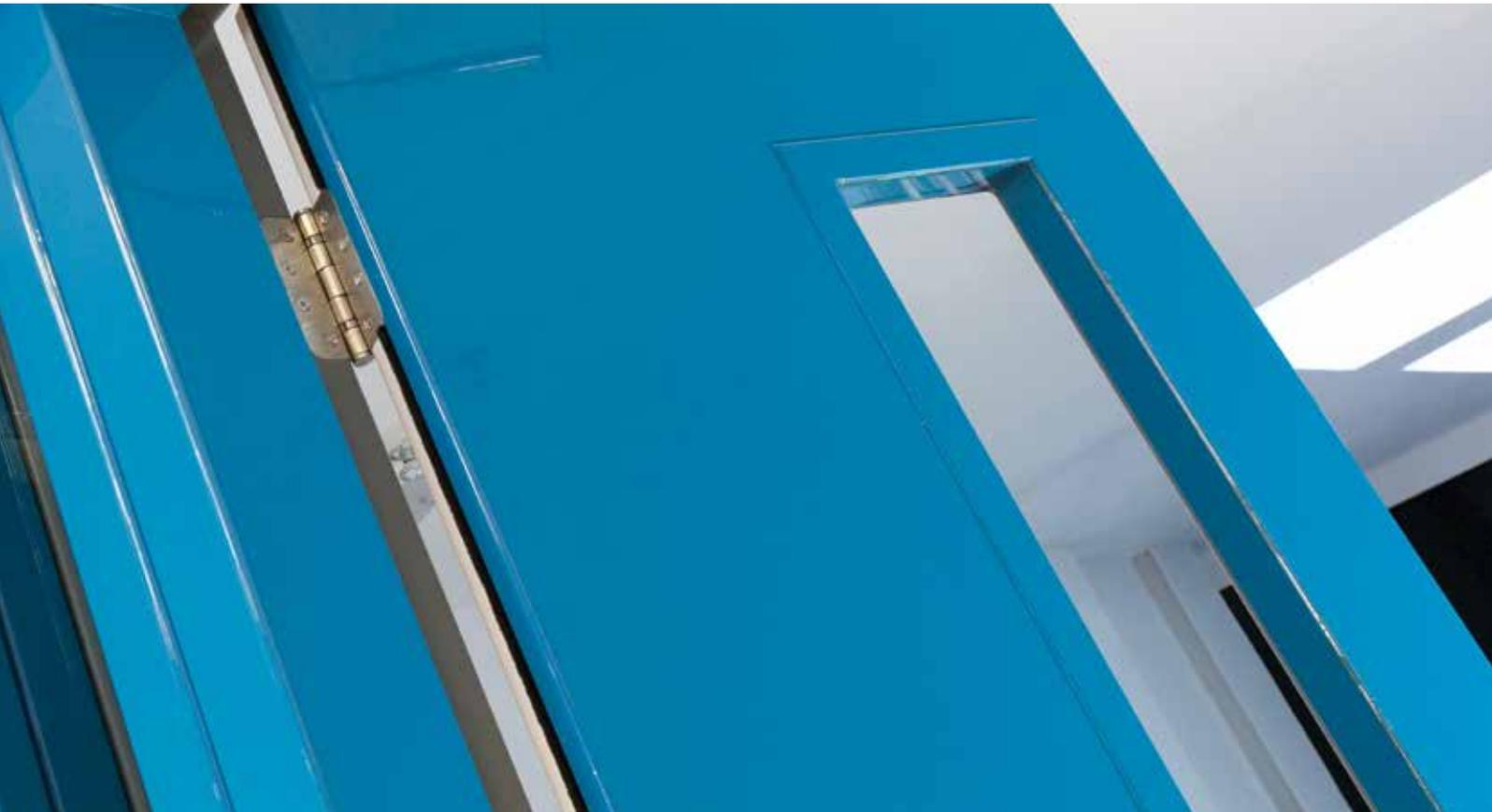
In busy public areas, clad your existing doors to protect them where they need it most, helping prevent scuff and impact damage.

Simply order the standard Altro Fortis Titanium sheet, and cut it to size, fitting it to the height you need protection for, or if you prefer, we can do the hard work for you, let us know the size you require and we'll cut it for you.



Looks great with:

- Altro Whiterock White /
Altro Whiterock Satins /
Altro Whiterock Chameleon /
Altro Whiterock Digiclad
- Altro Unity 25
- Altro Classic 25
- Altro Fortis Titanium wall
protection
- Altro Fortis corner protection



Introduction to Altro safety flooring

Heavy duty solutions

Altro Unity 25, Altro Classic 25, Altro Designer 25

Our 2.5mm safety flooring provides outstanding durability and sustained slip resistance, and are the ideal choice for extreme heavy duty areas where extra protection is needed. Their excellent resistance to mechanical or physical damage makes them firm favourites in demanding environments like education, industry and healthcare.

These three heavy duty ranges offer contemporary, industrial or decorative design options. Easy to maintain and clean, they provide lasting appearance retention and are backed by lengthy 20 year product guarantees and 25 year life expectancies. And where ease of maintenance and aesthetics are key, Altro Unity 25 offers a fresh palette and PUR technology.

Versatile solutions

Altro Walkway 20, Altro XpressLay

Providing sustained slip resistance, excellent durability and ease of installation, these low maintenance safety floors are easy to clean and perfect for busy areas. Plus, they offer a great choice of colour, and chipped and non-chipped varieties for design flexibility.

Apart from traditionally adhered ranges, we also offer a truly sustainable, recyclable and reusable, adhesive-free option: Altro XpressLay. It's suitable for lots of different applications and is ideal for use where original substrates may need protecting or where sustainable criteria must be met. Altro XpressLay is also the only safety floor that's 100% recyclable or reusable post-consumer.

Inspirational solutions

Altro Suprema, Altro Wood Safety

These safety floors are designed for areas where aesthetics, sustainable slip resistance and durability are all equally important. They offer a huge colour choice (Altro Suprema has 40 plain, flake and chipped options), can reproduce the natural warmth of nature (Altro Wood Safety), and their non-sparkle finish makes them perfectly suited for dementia and care homes. They're also ideal for public areas like receptions, corridors, shops, cafes, wards and day rooms, where appearances are especially important.

Special application solutions

We've also developed flooring solutions for demanding environments with particular requirements.

For kitchens / catering - Altro Stronghold 30

The wet and greasy conditions of kitchens prone to frequent spillages are catered for by a 3mm safety floor which boasts Altro's highest rating for slip resistance.

For industrial applications - Altro Atlas 40

A 4mm option gives enhanced resistance to chemicals, indentation and mechanical damage, making it ideal for use in locations like areas with light engineering and chemical processing.

For barefoot / shod - Altro Aquarius

For wet areas where people could be barefoot or wearing any type of shoe, Altro's revolutionary Altro Aquarius is the ideal solution. It can be used in wet and dry locations including bathrooms, shower and changing areas, found in healthcare, leisure and social housing environments.



Altro safety flooring

Technical chart			Altro Unity 25	Altro Classic 25	Altro Designer 25	Altro Walkway 20	Altro Walkway 20 SD	Altro XpressLay
Sustained slip (years)			25	25	25	15	15	15
Guarantee (years)			20	20	20	10	10*	10
Life expectancy (years)			25	25	25	15	15	15
Surface			Maxis PUR			Maxis PUR		Maxis PUR
Thickness		EN 428	2.5mm	2.5mm	2.5mm	2mm	2mm	2.2mm
Weight		EN 430	3.2kg/m ²	3.2kg/m ²	3.3kg/m ²	2.6kg/m ²	2.6kg/m ²	2.6kg/m ²
Wear characteristics / usage		EN 13845	34/43	34/43	34/43	34/43	34/43	34/43
		EN 651						
		EN 649						
		EN 1817						
		EN 12199						
	Wet room	EN 13553	W2	W2	W2	W2	W2	W2
Durability	Residual indentation	EN 433	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm
	Dimensional stability	EN 434	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%
	Flexibility	EN 435	Pass	Pass	Pass	Pass	Pass	Pass
Strength / flexibility	Seam / weld strength	EN 684	Pass	Pass	Pass	Pass	Pass	Pass
Resistance to wear	Castor chair abrasion	EN 425	Pass	Pass	Pass	Pass	Pass	Pass
	Taber abrasion	EN 13845	50 000 Cycles	50 000 Cycles				
Slip resistance		BS 7976 PTV	≥ 40	≥ 45	≥ 40	≥ 36	≥ 36	≥ 36
		Surface Roughness	≥ 20µm	≥ 20µm				
		DIN 51130	R10	R11	R10	R10	R10	R10
		DIN 51097						
		EN 13485 Annex C	ESf	ESf	ESf	ESf	ESf	ESf
	EN 13893	DS	DS	DS	DS	DS	DS	
Fire performance		EN 13501-1	Class Bfl s1	Class Bfl s1				
		EN ISO 9239-1	≥ 8kW/m ²	≥ 8kW/m ²				
		EN ISO 11925-2	Pass	Pass	Pass	Pass	Pass	Pass
Cigarette burn resistance		EN 1399						
Sound insulation		ISO 140-8	9dB	5dB	7dB	5dB	5dB	7dB
Colour / light fastness		EN 20105 B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Chemical / stain resistance		EN 423	Good	Good	Good	Good	Good	Good
Electrical properties		BS 2050					2 x 10 ⁷ Ohms	
		EN 1081					≤10 ⁹ Ohms	
		EN 1815	≤ 2kV	≤ 2kV				
Underfloor heating	Thermal insulation	EN 12667	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable
VOC		AgBB/DiBt	Approved	Approved	Approved	Approved	Approved	Approved
		BREEAM HEA9	E1	E1	E1	E1	E1	E1
BRE generic green guide	Health		A+	A+	A+	A+	A+	A+
	Education		A+	A+	A+	A+	A+	A+
	Commercial		A	A	A	A	A	A
	Domestic		B	B	B	B	B	B
	Retail durability / fashion		A/A+	A/A+	A/A+	A/A+	A/A+	A/A+

*Guarantee period does not apply to static-dissipative properties

							Altro smooth flooring			Altro rubber flooring	
Altro Impressionist II	Altro Suprema	Altro Wood Safety	Altro Stronghold 30	Altro Atlas 40	Altro Aquarius	Altro Marine 20	Altro Wood Smooth	Altro Wood Smooth Acoustic	Altro Zodiac Smooth	Altro Nuvola Cirrus	Altro Nuvola Stratus
15	15	15	20	20	15						
10	10	10	15	15	10	10	5	5	5	5	5
15	15	15	20	20	15	15	10	10	10	10	10
	Maxis PUR	Maxis PUR			Maxis PUR		PUR	PUR	PUR		
2mm	2mm	2mm	3mm	4mm	2mm	2mm	2mm	3.7mm	2mm	2mm	2.5/4mm
2.6kg/m ²	2.5kg/m ²	2.66kg/m ²	3.9kg/m ²	5.4kg/m ²	2.6kg/m ²	2.6kg/m ²	2.66kg/m ²	2.75kg/m ²	2.66kg/m ²	3.3kg/m ²	3.8kg/m ²
34/43	34/43	34/43	34/43	34/43	34/43	34/43					
								34/42			
							34/43		34/43		
										34/42	
											32/41
W2	W2	W2	W2	W2	W2	W2					
≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.10mm	≤0.2mm	≤0.10mm	≤0.15mm	≤0.20mm
≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%	≤0.4%
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
50 000 Cycles	50 000 Cycles	50 000 Cycles	50 000 Cycles	50 000 Cycles	50 000 Cycles	50 000 Cycles					
≥ 36	≥ 36	≥ 36	≥ 55	≥ 36	≥ 50	-					
≥ 20µm	≥ 20µm	≥ 20µm	≥ 20µm	≥ 20µm	≥ 20µm	≥ 20µm					
R10	R10	R10	R12	R10	R11	R10	R10	R10	R10	R9	R9
					B	C					
ESf	ESf	ESf	ESf	ESf	ESf / ESb	Esb					
DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1	Class Cfl s1	Class Bfl s1	Class Bfl s1	Class Bfl s1
≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 4.5kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²	≥ 8kW/m ²
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
										Good	Good
5dB	5dB	4dB	10dB	7dB	5dB	13dB	4dB	18dB	4dB	6dB	8dB
≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV	≤ 2kV
Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable
Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved		
E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1
A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+
A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+
A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	A	A	A	A	A
A/A+	A/A+	A/A+	A/A+	A/A+	A/A+	A/A+	A+/A+	A/A+	A+/A+	A+/A+	A/A+



Mount Vernon Hospital

Altro Unity™ 25

Patent number GB 2 462 167

Typical applications:

- Corridors subject to foot and wheeled traffic, such as hospital streets.**
- Clinical areas in hospitals with foot and wheeled traffic.**
- Secondary school labs. Dining rooms.**

Need a good-looking flooring that can cope with wheels as well as feet? You need Altro Unity 25 - a stylishly tough safety flooring that gives a great first impression.

Altro Unity 25 can be specified where long-lasting slip resistance and stain resistance are essential in heavy traffic areas. It contains aluminium trioxide and coloured quartz, and includes Altro Easyclean Maxis PUR technology for easier cleaning and maintenance.

The flooring is highly durable and resistant to moisture, temperature extremes, point loading, wheeled traffic, most chemicals and physical / mechanical damage. This makes it perfect for public walkways that need to look good and work hard.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.

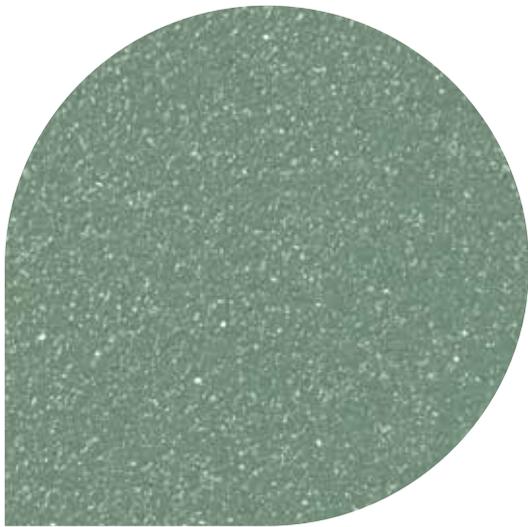


! We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

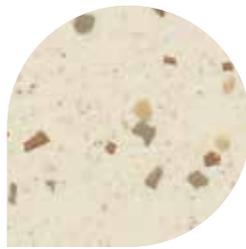
- !** Looks great with:
- **Altro Whiterock White**
 - **Altro Whiterock Satins**
 - **Altro Fortis system**
 - **Altro Designer 25**
 - **Altro Classic 25**
 - **Altro Suprema**

- !** Contributes to reducing the environmental impact of your specification:
- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

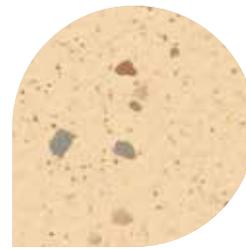




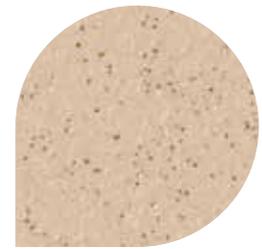
Roof Garden
UB2500 LRV: 23
WR262 / A1M154



Ice Rink
UBI2514 LRV: 70
WR291 / A1M01



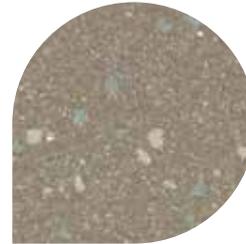
Statue
UBI2513 LRV: 62
WR304 / A1M12



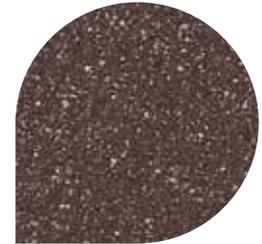
Arena
UB2510 LRV: 41
WR297 / A1M20



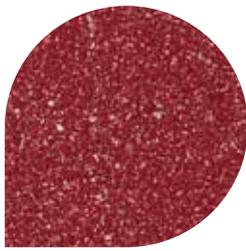
Plaza
UBI2512 LRV: 32
WR27 / A1M27



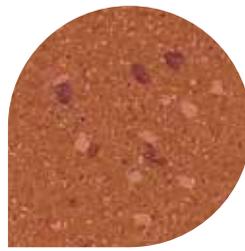
Monument
UBI2508 LRV: 23
WR305 / A1M239



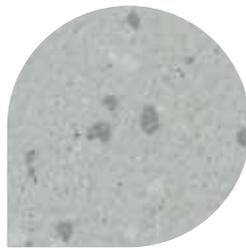
Gallery
UB2511 LRV: 10
WR62 / A1M62



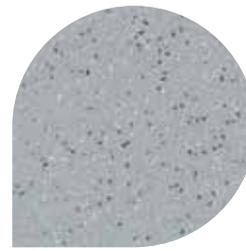
Forge
UB2515 LRV: 9
WR248 / A1M238



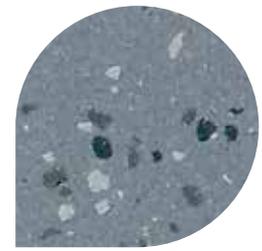
Signal
UBI2516 LRV: 13
WR300 / A1M42



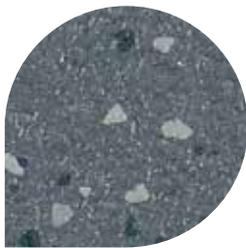
Streetlight
UBI2505 LRV: 45
WR287 / A1M79



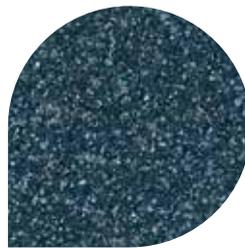
Temple
UB2509 LRV: 27
WR261 / A1M81



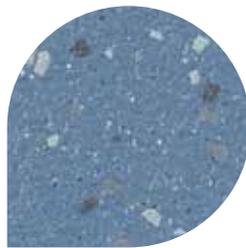
Rock
UBI2504 LRV: 23
WR84 / A1M84



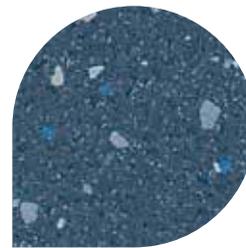
Pavement
UBI2507 LRV: 14
WR83 / A1M83



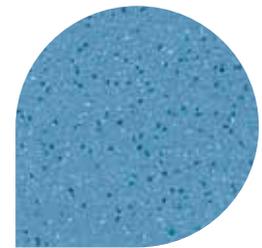
Runway
UB2506 LRV: 9
WR72 / A1M72



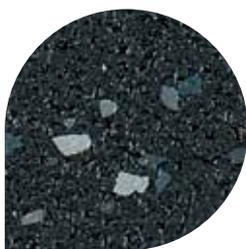
Fountain
UBI2502 LRV: 22
WR306 / A1M71



Pool
UBI2503 LRV: 10
WR307 / A1M73



Stream
UB2501 LRV: 22
WR288 / A1M71



Vault
UBI2517 LRV: 5
WR277 / A1M100

i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches. Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2.5mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com





Altro Classic™ 25

Typical applications:

Locations where substances like chalk, paint, clay or dirt are present, such as craft, design and technology (CDT) / art rooms and circulation areas.

Classic by name, classic by nature. Altro Classic 25 was the first ever safety flooring; it's been tried and trusted for over 60 years, and its traditional, industrial look is still popular today.

Altro Classic 25 provides lasting slip resistance, durability and abrasion resistance, making it ideal for use in heavy traffic areas – particularly with wheeled traffic. It's also good for areas where occasional moisture and dust can increase the risk of slipping as it has a Pendulum Test Value (PTV) rating ≥ 45 and an R11 slip rating.

Available in practical, dirt-hiding shades, with the addition of new colours for even greater choice, Altro Classic 25 is easy to clean and maintain.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Looks great with:

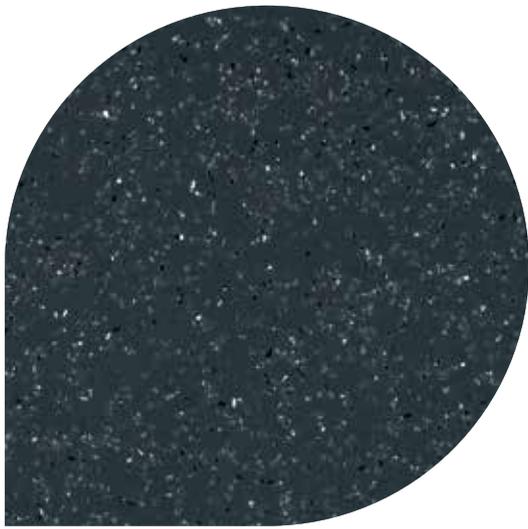
- **Altro Whiterock White**
- **Altro Whiterock Satins**
- **Altro Fortis system**
- **Altro Unity 25**
- **Altro Designer 25**
- **Altro Suprema**
- **Altro Stronghold 30**



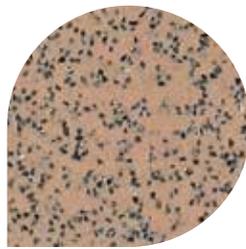
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

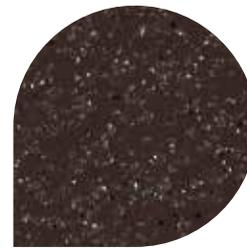




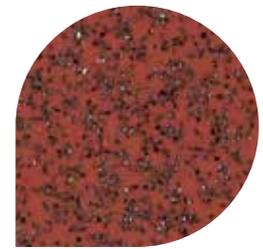
Anvil
X2594R11 LRV: 11
WR101 / A1M72



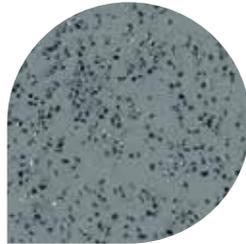
Mushroom
X2542R11 LRV: 32
WR24 / A1M27



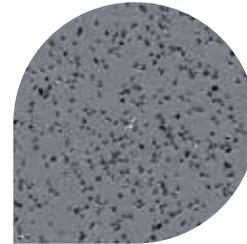
Walnut
X2586R11 LRV: 10
WR62 / A1M62



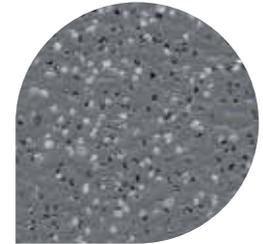
Quarry Red
X2560R11 LRV: 13
WR42 / A1M42



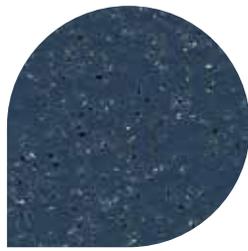
Pewter Grey
X2539R11 LRV: 26
WR81 / A1M81



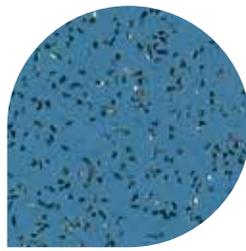
Whisper
X2548R11 LRV: 24
WR354 / A1M84



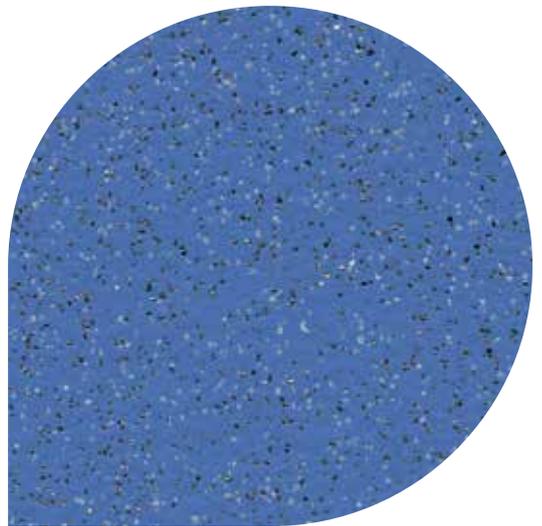
Graphite
X2546R11 LRV: 21
WR86 / A1M86



Legend
X2544R11 LRV: 10
WR231 / A1M73



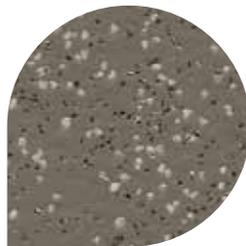
Blue
X2541R11 LRV: 20
WR71 / A1M71



Aster
X2549R11 LRV: 17
WR286 / A1M286



Blackberry
X2547R11 LRV: 7
WR100 / A1M100



Truffle
X2545R11 LRV: 17
WR153 / A1M239



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2.5mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**



Macquarie University

Altro Designer™ 25

Typical applications:

**Service corridors and circulation areas subject to wheeled and high-volume traffic.
Back of house areas. Tertiary / industrial laboratories.**

When it comes to rugged, hardwearing safety flooring, Altro Designer 25 is the real deal. It's engineered with quartz, silicon carbide and aluminium trioxide for long-term durability and slip resistance, making it great for heavy duty environments with moveable or wheeled furniture.

Altro Designer 25 has a reassuring look and comes in practical, dirt-hiding colours featuring decorative coloured quartz. Designed for low maintenance, it incorporates Altro Easyclean™ Original Technology for a lasting attractive appearance and savings in time and cleaning costs.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.



Looks great with:

- Altro Whiterock White
- Altro Whiterock Satins
- Altro Fortis system
- Altro Unity 25
- Altro Classic 25
- Altro Suprema



Contributes to reducing the environmental impact of your specification:

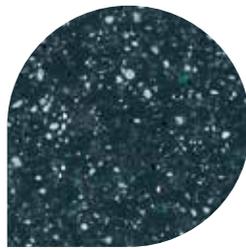
- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk





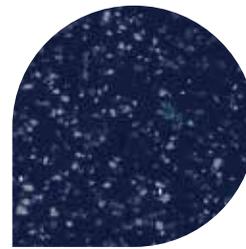
Jet

D2501 LRV: 6
WR100 / A1M100



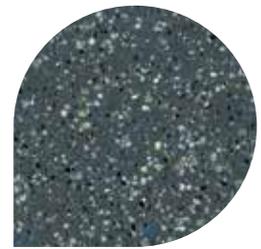
Midnight

D25421 LRV: 11
WR72 / A1M72



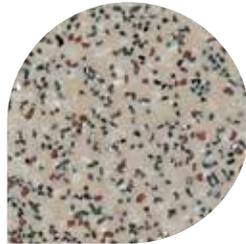
Twilight

D25910 LRV: 8
WR39 / A1M34



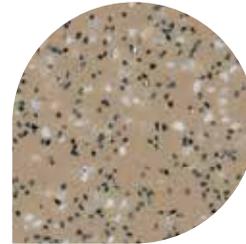
Storm

D25903 LRV: 16
WR82 / A1M82



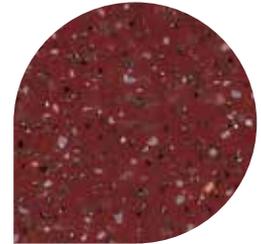
Bone

D25215 LRV: 37
WR20 / A1M20



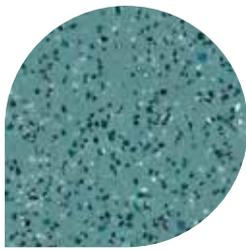
Biscuit

D25904 LRV: 30
WR146 / A1M20



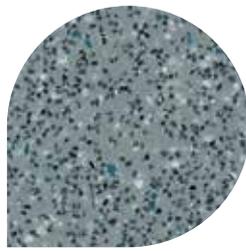
Rust

D25907 LRV: 10
WR150 / A1M238



Skyline

D25332 LRV: 25
WR52 / A1M52



Fog

D25153 LRV: 27
WR81 / A1M81



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2.5mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**





Nestlé

Altro Walkway™ 20

Patent number GB 2 462 167

Typical applications:

General purpose.

Altro Walkway 20 is our hugely popular, hard-wearing 2mm safety flooring which provides lifelong slip and abrasion resistance.

The range has 42 colours and shares its colour range with Altro XpressLay. This enables you to combine use of both ranges when you need traditionally adhered and adhesive-free safety flooring in adjacent areas.

Altro Walkway 20 is easy to cove and weld. It achieves PTV ≥ 36 on the pendulum test giving sustained slip resistance throughout the lifetime of the product. It also includes PUR cleanability, superior chemical and stain resistance.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



My Fro Yo Cup



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Matches:

- Altro XpressLay
- Looks great with:
- Altro Whiterock
 - Altro Aquarius
 - Altro XpressLay
 - Altro Wood Smooth Acoustic



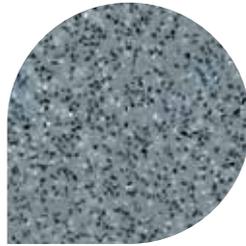
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

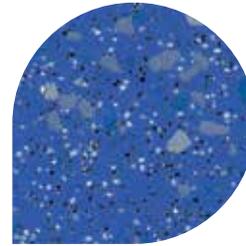




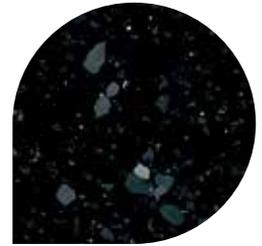
Black
VM20892 LRV: 6
WR100 / A1M100



Fog*
VM20153 LRV: 27
WR81 / A1M81



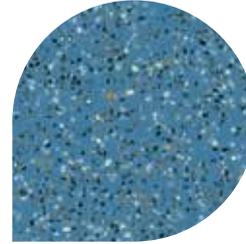
Lupin
VMI2059 LRV: 17
WR286 / A1M286



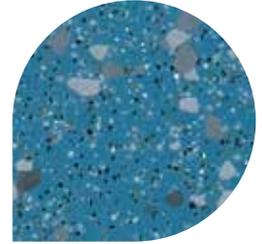
Coal
VMI2058 LRV: 6
WR100 / A1M100



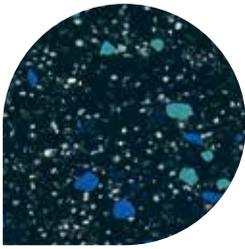
Midnight
VM20421 LRV: 11
WR72 / A1M72



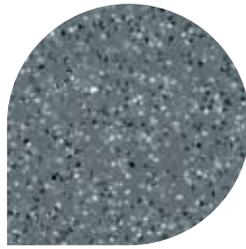
Blue
VM20412 LRV: 22
WR71 / A1M71



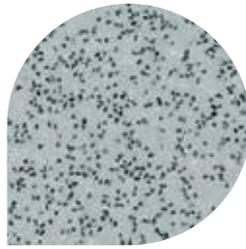
River
VMI2057 LRV: 22
WR71 / A1M71



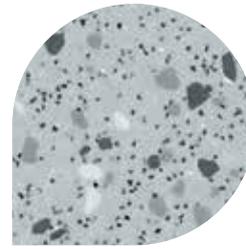
Nightfall
VMI2056 LRV: 10
WR72 / A1M72



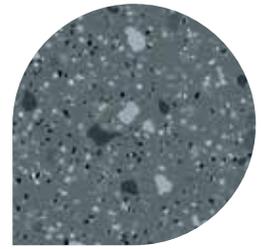
Dolphin
VM2010 LRV: 21
WR86 / A1M86



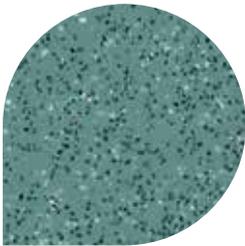
Cloud
VM2014 LRV: 41
WR79 / A1M191



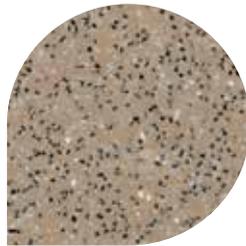
Blizzard
VMI2055 LRV: 44
WR79 / A1M191



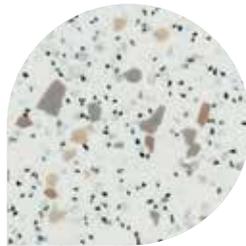
Whale
VMI2054 LRV: 20
WR86 / A1M86



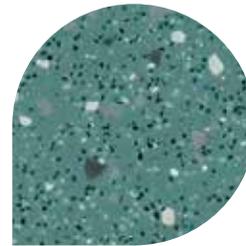
Skyline
VM20332 LRV: 24
WR52 / A1M52



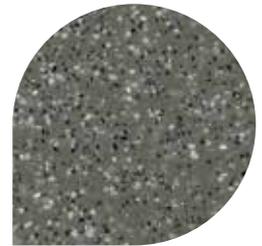
Biscuit
VM20907 LRV: 30
WR146 / A1M20



Winter
VMI2053 LRV: 61
WR105 / A1M01



Tarragon
VMI2052 LRV: 26
WR52 / A1M52



Tundra
VM20910 LRV: 17
WR153 / A1M239



For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches. Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions
2m x 20m

Format
ROLL

Thickness
2mm



Samples

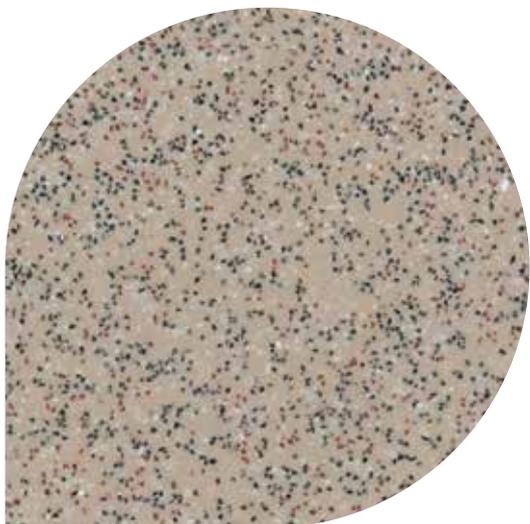
If colour choice is critical, please request a sample of the material.

☎ 01462 707 700

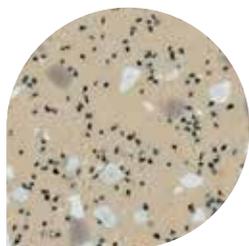
✉ samples@altro.com



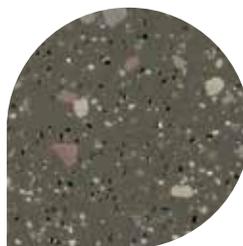
*Indicates static dissipative grade available. For code use standard product code followed by 'SD'. Due to the addition of static dissipative properties, Altro Walkway 20 SD does not have exactly the same appearance as that shown above. Includes Altro Easyclean Original Technology.



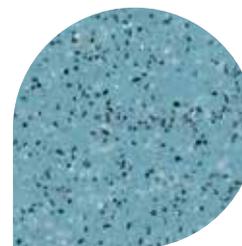
Bone
VM20215 LRV: 37
WR20 / A1M20



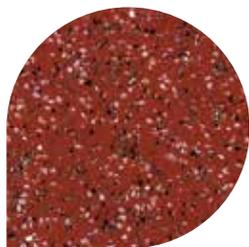
Sand
VMI2051 LRV: 40
WR20 / A1M20



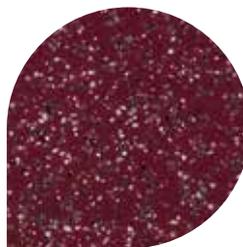
Savannah
VMI2050 LRV: 19
WR153 / A1M239



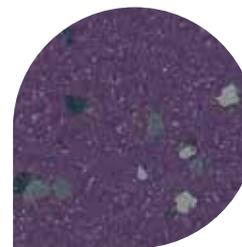
Waterfall
VM20912 LRV: 31
WR155 / A1M135



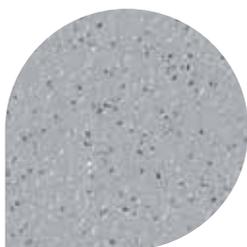
Tango
VM2031 LRV: 14
WR42 / A1M42



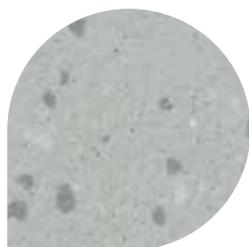
Cherry
VM20920 LRV: 10
WR148 / A1M148



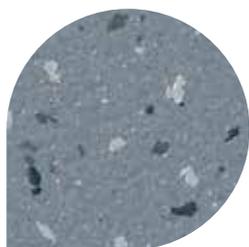
Silk
VMI2003P LRV: 10
WR310 / A1M35



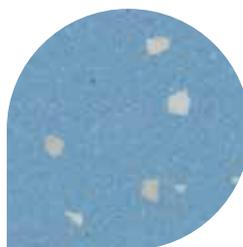
Temple
VM2009P LRV: 27
WR261 / A1M81



Streetlight
VMI2005P LRV: 45
WR287 / A1M79



Rock
VMI2004P LRV: 23
WR84 / A1M84



Fresco
VMI2017P LRV: 31
WR309 / A1M309



Stream
VM2001P LRV: 22
WR288 / A1M71



Centro Residencial Valdeluz

! We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

Matches:

- **Altro XpressLay**

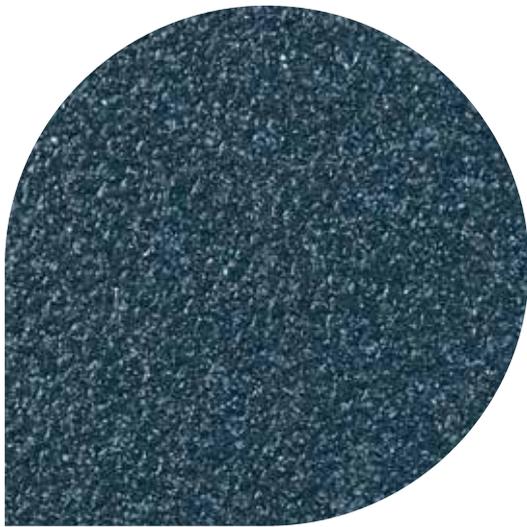
Looks great with:

- **Altro Whiterock**
- **Altro Aquarius**
- **Altro Wood Smooth Acoustic**

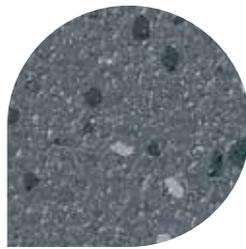
! Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

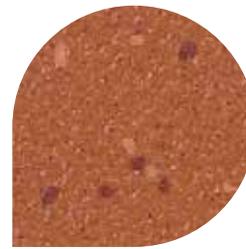




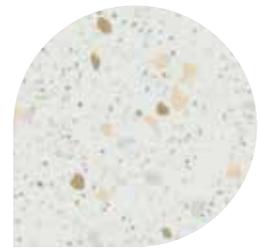
Runway
VM2006P LRV: 9
WR72 / A1M72



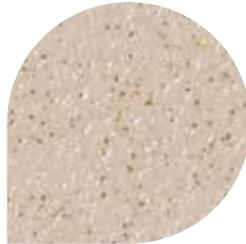
Pavement
VMI2007P LRV: 14
WR83 / A1M83



Signal
VMI2016P LRV: 13
WR300 / A1M42



Swan
VMI2012P LRV: 75
WR291 / A1M01



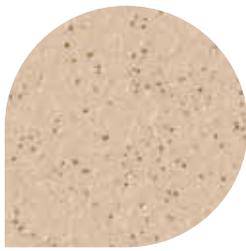
Minster
VM2018P LRV: 40
WR289 / A1M265



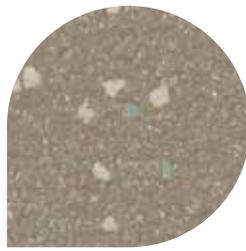
Pitch
VM2020P LRV: 5
WR277 / A1M100



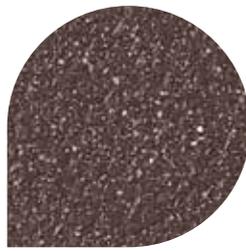
Forge
VM2015P LRV: 9
WR248 / A1M238



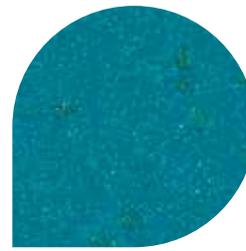
Arena
VM2019P LRV: 41
WR297 / A1M20



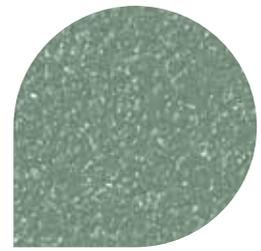
Monument
VMI2008P LRV: 23
WR305 / A1M239



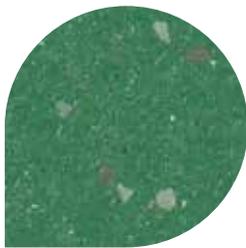
Gallery
VM2011P LRV: 10
WR62 / A1M62



Mallard
VMI2013P LRV: 13
WR302 / A1M302



Roof Garden
VM2000P LRV: 23
WR262 / A1M154



Gecko
VMI2002P LRV: 18
WR308 / A1M308



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details..

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm

Samples
If colour choice is critical, please request a sample of the material.

01462 707 700
samples@altro.com





Asian Games

Altro XpressLay™ adhesive-free safety floor

Patent number GB 2 462 167

Typical applications:

General purpose for areas where the ability to easily remove and recycle post installation plays an important part in your requirements for sustainable flooring finishes.

The world's first ever adhesive-free safety floor that can save you money on materials, time on installation and offers you unrivalled sustainability credentials.

Revolutionary Altro XpressLay is a step change in the evolution of safety flooring. It's installed using a tape system instead of adhesive, so can be installed without a surface damp-proof membrane (DPM). It can be easily removed post-installation, re-used elsewhere and then at the end of its life be recycled.

The range boasts 42 colours and matches with Altro Walkway 20 enabling you to combine the use of both ranges to suit the application.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



Product of the Year 2015
CFJ/CFA Flooring Industry Awards



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.



Matches:

- Altro Walkway 20

Looks great with:

- Altro Whiterock
- Altro Aquarius
- Altro Wood Smooth Acoustic



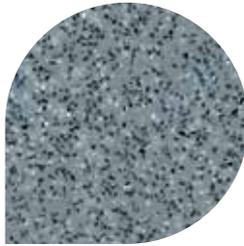
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

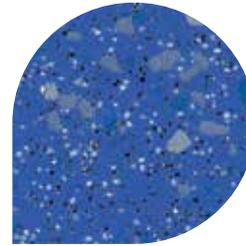




Black
XL22892 LRV: 6
WR100 / A1M100



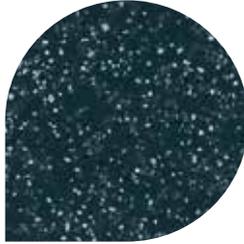
Fog
XL22153 LRV: 27
WR81 / A1M81



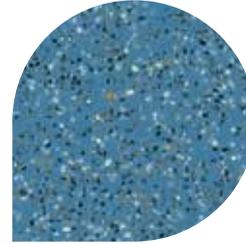
Lupin
XLI2259 LRV: 17
WR286 / A1M286



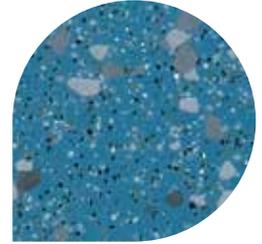
Coal
XLI2258 LRV: 6
WR100 / A1M100



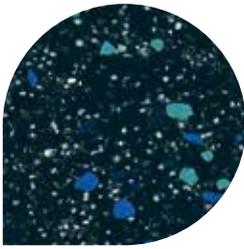
Midnight
XL22421 LRV: 11
WR72 / A1M72



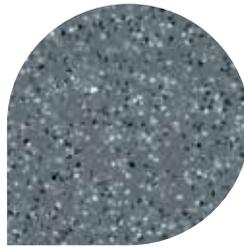
Blue
XL22412 LRV: 22
WR71 / A1M71



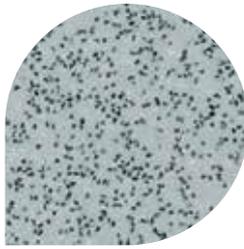
River
XLI2257 LRV: 22
WR71 / A1M71



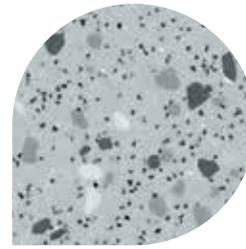
Nightfall
XLI2256 LRV: 10
WR72 / A1M72



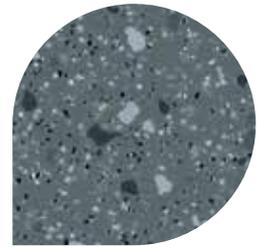
Dolphin
XL2210 LRV: 21
WR86 / A1M86



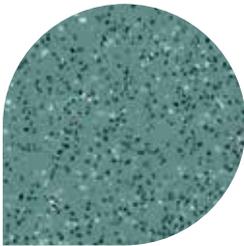
Cloud
XL2214 LRV: 41
WR79 / A1M191



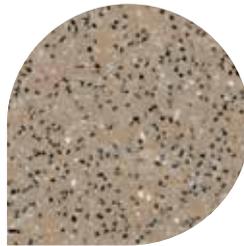
Blizzard
XLI2255 LRV: 44
WR79 / A1M191



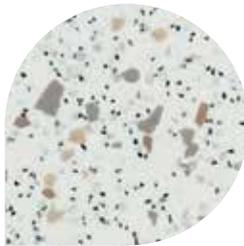
Whale
XLI2254 LRV: 20
WR86 / A1M86



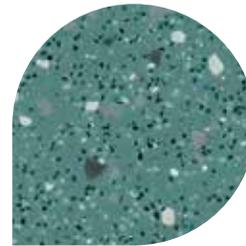
Skyline
XL22332 LRV: 24
WR52 / A1M52



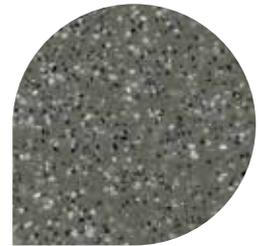
Biscuit
XL22907 LRV: 30
WR146 / A1M20



Winter
XLI2253 LRV: 61
WR105 / A1M01



Tarragon
XLI2252 LRV: 26
WR52 / A1M52



Tundra
XL22910 LRV: 17
WR153 / A1M239



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2.2mm

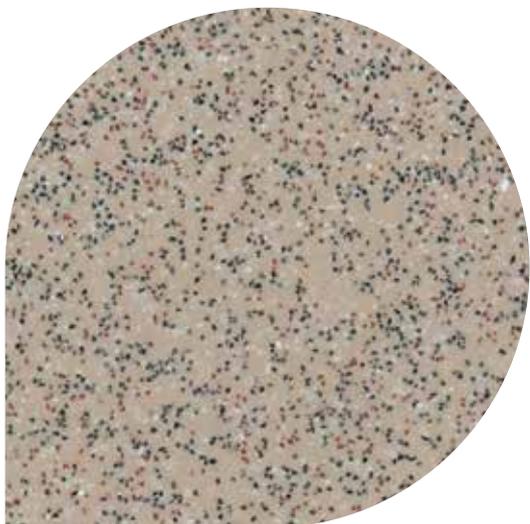


Samples

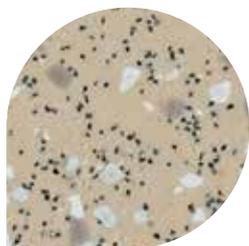
If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

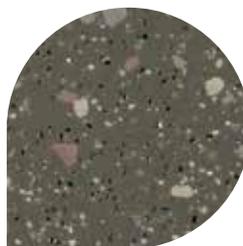
✉ **samples@altro.com**



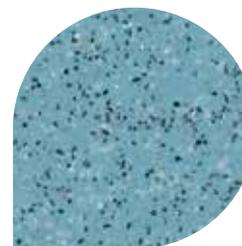
Bone
XL22215 LRV: 37
WR20 / A1M20



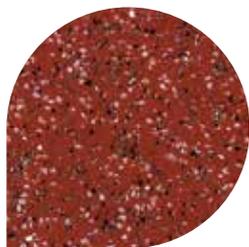
Sand
XLI2251 LRV: 40
WR20 / A1M20



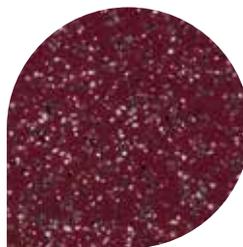
Savannah
XLI2250 LRV: 19
WR153 / A1M239



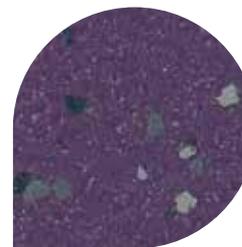
Waterfall
XL22912 LRV: 31
WR155 / A1M135



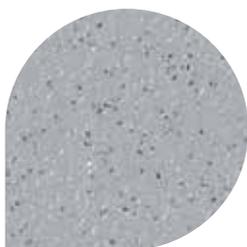
Tango
XL2231 LRV: 14
WR42 / A1M42



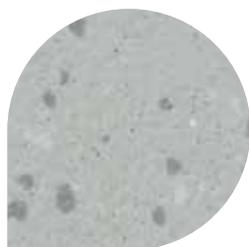
Cherry
XL22920 LRV: 10
WR148 / A1M148



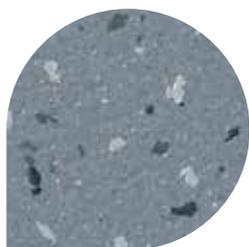
Silk
XLI2203P LRV: 10
WR310 / A1M35



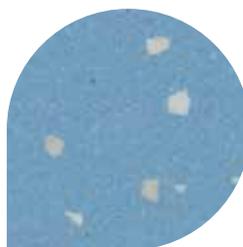
Temple
XL2209P LRV: 27
WR261 / A1M81



Streetlight
XLI2205P LRV: 45
WR287 / A1M79



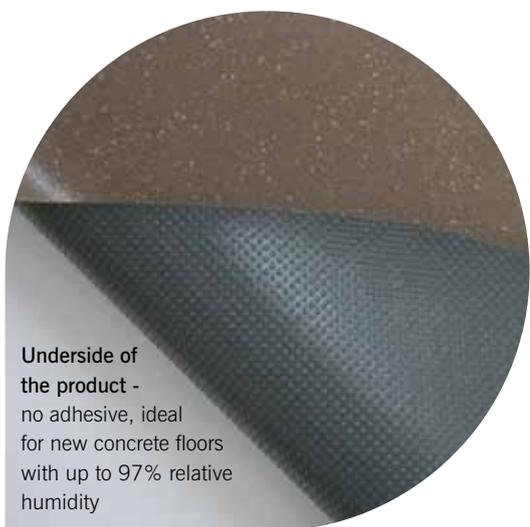
Rock
XLI2204P LRV: 23
WR84 / A1M84



Fresco
XLI2217P LRV: 31
WR309 / A1M309



Stream
XL2201P LRV: 22
WR288 / A1M71



Underside of the product -
no adhesive, ideal for new concrete floors with up to 97% relative humidity

! We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

Matches:

- **Altro Walkway 20**

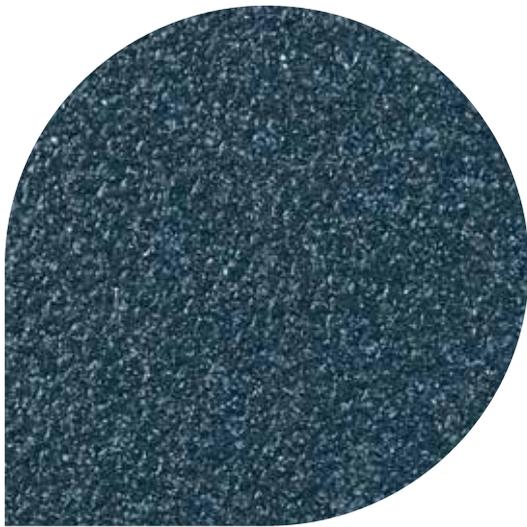
Looks great with:

- **Altro Whiterock**
- **Altro Aquarius**
- **Altro Wood Smooth Acoustic**

globe icon Contributes to reducing the environmental impact of your specification:

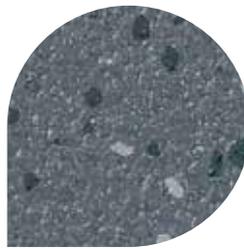
- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk





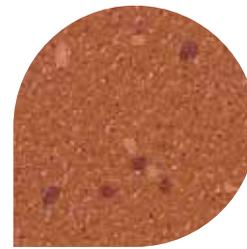
Runway

XL2206P LRV: 9
WR72 / A1M72



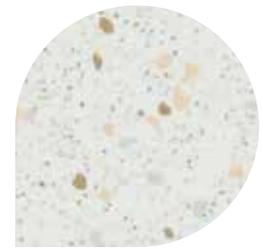
Pavement

XLi2207P LRV: 14
WR83 / A1M83



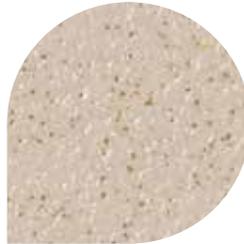
Signal

XLi2216P LRV: 13
WR300 / A1M42



Swan

XLi2212P LRV: 75
WR291 / A1M01



Minster

XL2218P LRV: 40
WR289 / A1M265



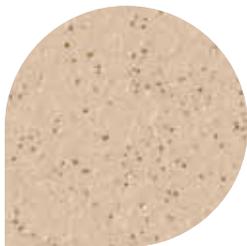
Pitch

XL2220P LRV: 5
WR277 / A1M100



Forge

XL2215P LRV: 9
WR248 / A1M238



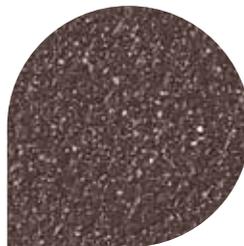
Arena

XL2219P LRV: 41
WR297 / A1M20



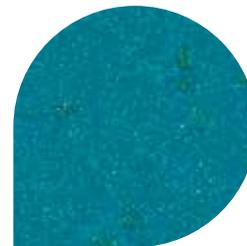
Monument

XLi2208P LRV: 23
WR305 / A1M239



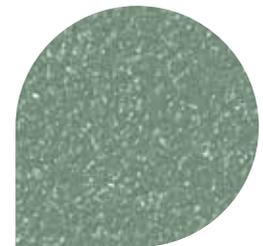
Gallery

XL2211P LRV: 10
WR62 / A1M62



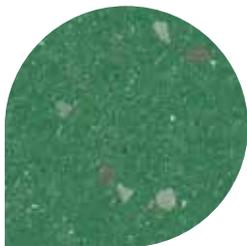
Mallard

XLi2213P LRV: 13
WR302 / A1M302



Roof Garden

XL2200P LRV: 23
WR262 / A1M154



Gecko

XLi2202P LRV: 18
WR308 / A1M308



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2.2mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**



Sure Start

Altro Impressionist™ II

Typical applications:

A versatile product. Please check with us for guidance with your specific project requirements.

One of our first decorative safety floorings, Altro Impressionist II features coloured chips set in a complementary background to give you more scope for coordination with your wall cladding and other fittings.

These coloured chips are fused to the main body of the flooring for durability and appearance retention. Altro Impressionist II also provides excellent chemical resistance.

Altro Easyclean™ Original Technology is included to make cleaning and maintenance easy.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

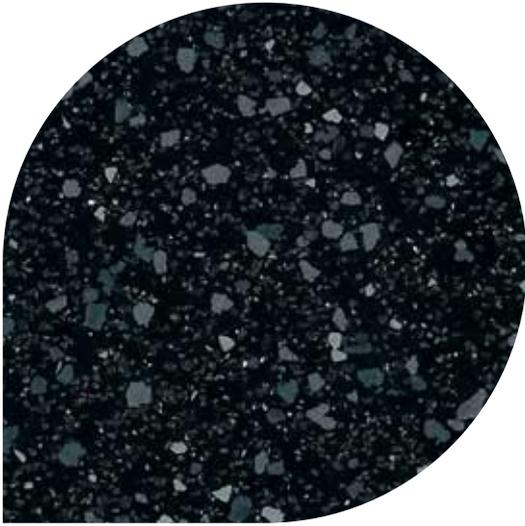
See www.altro.co.uk/safety for more information.



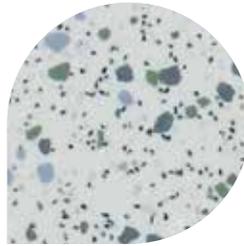
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

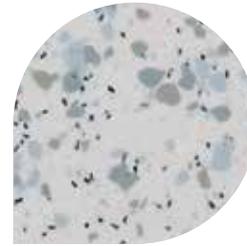




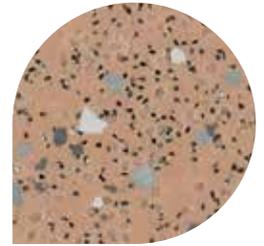
Ebony
IP2001 LRV: 6
WR100 / A1M100



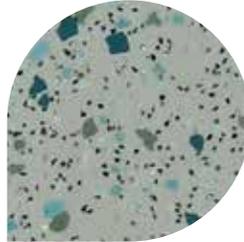
Oasis
IP2011 LRV: 49
WR136 / A1M136



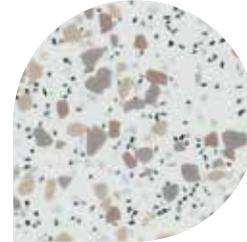
Arctic
IP2012 LRV: 49
WR11 / A1M11



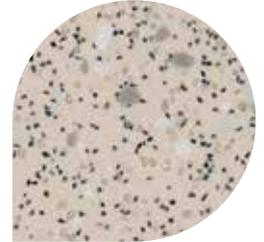
Adobe
IP2008 LRV: 32
WR24 / A1M27



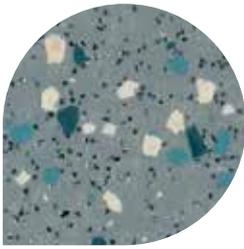
Zen
IP2015 LRV: 34
WR137 / A1M137



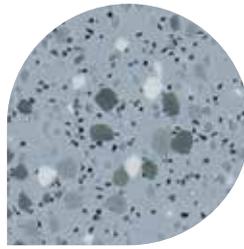
Stucco
IP2013 LRV: 61
WR105 / A1M1



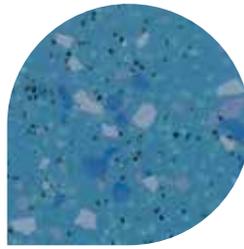
Canvas
IP2009 LRV: 48
WR12 / A1M12



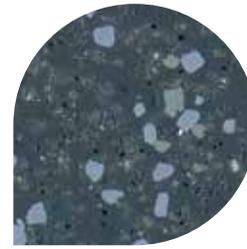
Ore
IP2004 LRV: 26
WR81 / A1M81



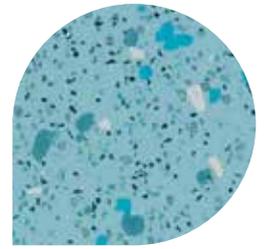
Lunar
IP2005 LRV: 36
WR85 / A1M85



Tranquil
IP2017 LRV: 21
WR71 / A1M71



Mineral
IP2003 LRV: 14
WR83 / A1M83



Aqua
IP2018 LRV: 38
WR135 / A1M135



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**





North Hertfordshire College

Altro Suprema™

Patent number GB 2 462 167

Typical applications:

- Indoor public spaces which are mainly subjected to foot (not wheeled) traffic, including lobbies, entrance areas, corridors.**
- Classrooms (for labs and CDT areas, see Altro Walkway 20 SD and Altro Classic 25).**
- Hospital wards and corridors.**

Looking for that designer feel in a safety flooring? Look no further than Altro Suprema – a stunning, non-sparkle safety floor that gives you complete design freedom. With 12 new colours including three ‘flake’ designs, one of its 40 shades will match the mood you want to create.

Design-led Altro Suprema has been developed in consultation with colour consultants, architects and end users to reflect design requirements and interior trends.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Looks great with:

- **Altro Whiterock White**
- **Altro Whiterock Chameleon**
- **Altro Whiterock Digiclad**
- **Altro Aquarius**
- **Altro Unity 25**
- **Altro Classic 25**
- **Altro Designer 25**



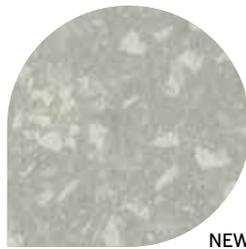
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

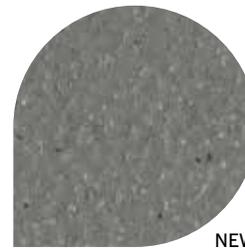




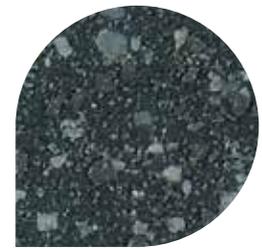
Sugar
SU2042 LRV: 65
WR284 / A1M01



Alaska
SUD2079 LRV: 49
WR374 / A1M79



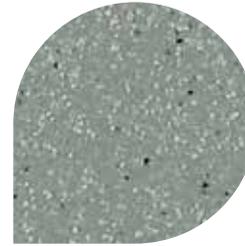
Chinchilla
SU2078 LRV: 19
WR373 / A1M86



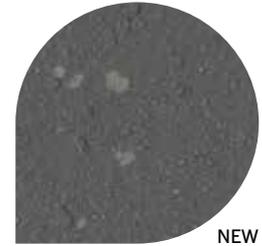
Fossil
SUI2067 LRV: 12
WR232 / A1M82



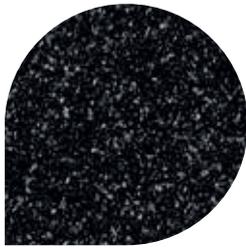
Snowflake
SUD2076 LRV: 71
WR284 / A1M01



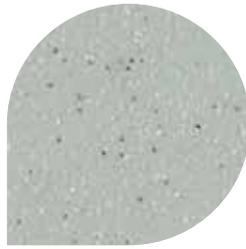
Wolf
SU2050 LRV: 29
WR261 / A1M81



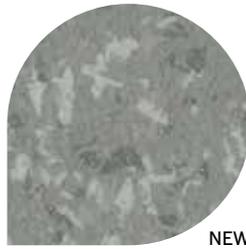
Wallaby
SUI2080 LRV: 14
WR375 / A1M82



Raven
SU2054 LRV: 7
WR277 / A1M100



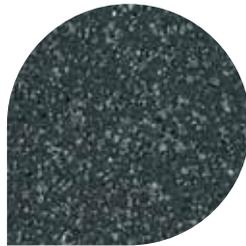
Dew
SU2036 LRV: 45
WR191 / A1M191



Montana
SUD2077 LRV: 27
WR372 / A1M81



Flamingo
SU2063 LRV: 16
WR276 / A1M276



Flint
SU2034 LRV: 13
WR82 / A1M82



Berry
SU2059 LRV: 8
WR275 / A1M44



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm

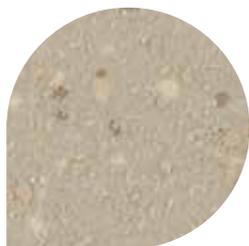
Samples
If colour choice is critical, please request a sample of the material.

01462 707 700
samples@altro.com

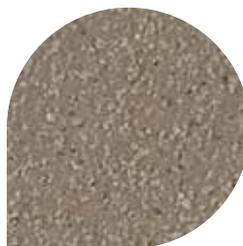




Parchment
SU2041 LRV: 45
WR267 / A1M20



Owl
SUI2068 LRV: 40
WR20 / A1M20



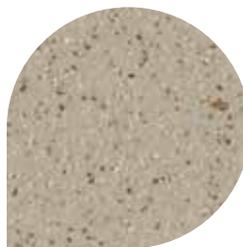
Taupe
SU2040 LRV: 23
WR282 / A1M239



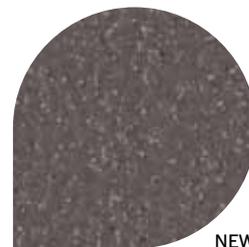
Loam
SU2047 LRV: 8
WR260 / A1M260



Calico
SUI2069 LRV: 52
WR283 / A1M20



Oatmeal
SU2046 LRV: 38
WR265 / A1M265



Platypus
SU2075 LRV: 13
WR371 / A1M371

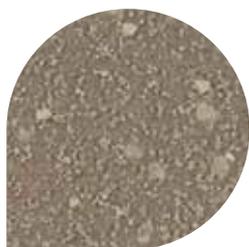
NEW



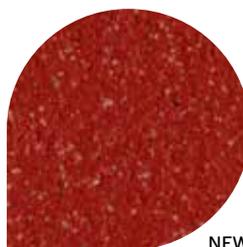
Lava
SUI2070 LRV: 8
WR260 / A1M260



Prairie
SU2044 LRV: 31
WR279 / A1M20

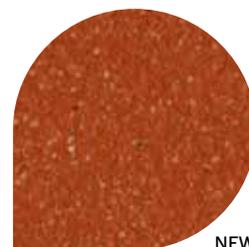


Earth
SUI2066 LRV: 23
WR282 / A1M239



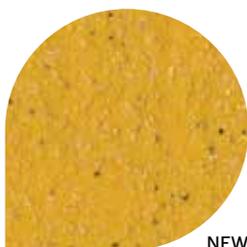
Lipstick
SU2085 LRV: 9
WR380 / A1M238

NEW



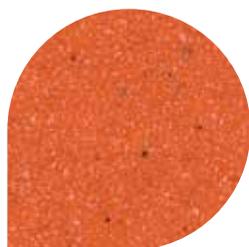
Tuscany
SU2084 LRV: 13
WR379 / A1M42

NEW



Bee
SU2083 LRV: 40
WR378 / A1M378

NEW



Tangerine
SU2052 LRV: 20
WR273 / A1M273

 We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

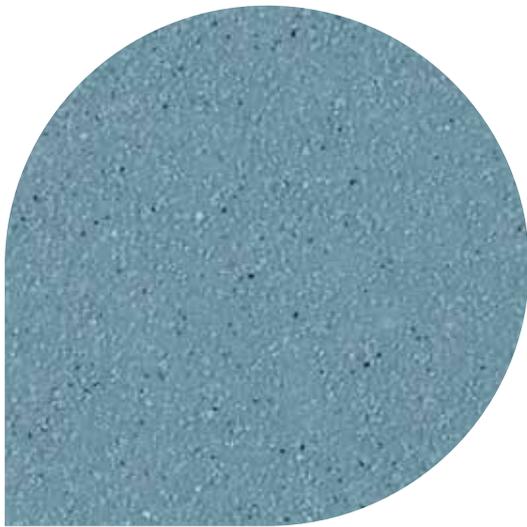
 Looks great with:

- **Altro Whiterock White**
- **Altro Whiterock Chameleon**
- **Altro Whiterock Digiclad**
- **Altro Aquarius**
- **Altro Unity 25**
- **Altro Classic 25**
- **Altro Designer 25**

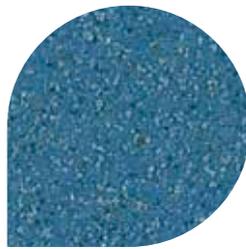
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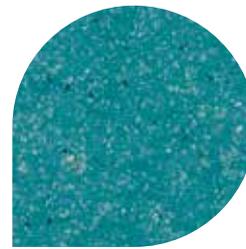




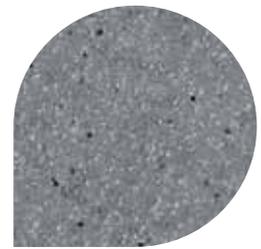
Bubble
SU2039 LRV: 34
WR285 / A1M203



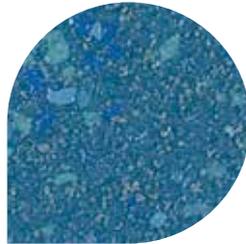
Caspian
SU2038 LRV: 18
WR194 / A1M71



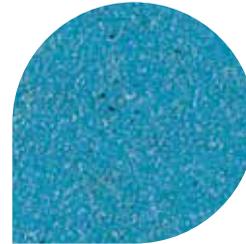
Aegean
SU2057 LRV: 23
WR270 / A1M56



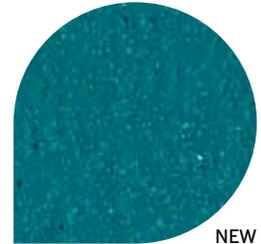
Shadow
SU2056 LRV: 24
WR269 / A1M84



Bluewater
SUI2073 LRV: 17
WR194 / A1M71

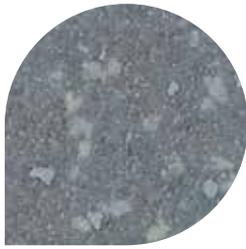


Malibu
SU2062 LRV: 26
WR272 / A1M272



Barbados
SU2081 LRV: 13
WR376 / A1M302

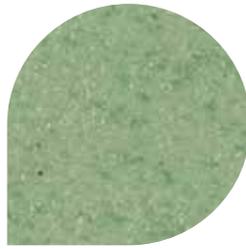
NEW



Platinum
SUI2064 LRV: 24
WR201 / A1M84



Bluebird
SU2037 LRV: 10
WR231 / A1M73

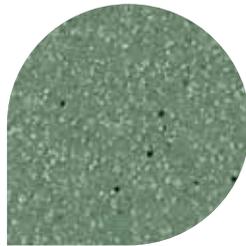


Melon
SU2061 LRV: 33
WR271 / A1M271

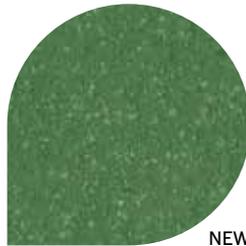


Citrus
SU2086 LRV: 45
WR381 / A1M381

NEW



Fennel
SU2049 LRV: 25
WR262 / A1M154



Basil
SU2082 LRV: 16
WR377 / A1M308

NEW



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**



Nestlé

Altro Wood Safety™ Patent number GB 2 462 167

Typical applications:

Public spaces which are mainly subject to foot traffic, such as entrance areas, care home corridors, school corridors. Student accommodation.

When you want to create a homely, comforting and familiar look but you don't want to compromise on safety, Altro Wood Safety is ideal. The range offers 16 wood-look designs, including classic, contemporary classic and on-trend – so you can vary the mood from cool and classy to warm and nurturing.

Altro Wood Safety works well with contemporary décor such as metal and glass areas, mood lighting, vibrant colours and monotone themes. It's a great choice if you need to avoid any colour clashes.

The flooring features Altro EasyClean Maxis PUR Technology for long term cleanability and easier maintenance.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



Green Pastures Care Home



Matches:

- Altro Wood Smooth and Altro Wood Smooth Acoustic – see pages 152 – 155



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Looks great with:

- Altro Whiterock White
- Altro Whiterock Satins
- Altro Whiterock Chameleon
- Altro Aquarius



Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk





Bleached Oak
WSA2001 LRV: 52
WR335 / A1M335



Autumn Maple
WSA2005 LRV: 24
WR339 / A1M339



Farmhouse Oak
WSA2004 LRV: 38
WR338 / A1M27



Beech Comber
WSA2008 LRV: 36
WR342 / A1M224



Vintage Cherry
WSA2002 LRV: 22
WR336 / A1M239



Urban Cherry
WSA2003 LRV: 17
WR337 / A1M337



Rustic Oak
WSA2006 LRV: 37
WR340 / A1M340



Seasoned Cherry
WSA2009 LRV: 15
WR343 / A1M246



Walnut Noir
WSA2011 LRV: 6
WR345 / A1M62



Century Oak
WSA2012 LRV: 8
WR346 / A1M62



Antique Walnut
WSA2007 LRV: 15
WR341 / A1M160



Heritage Maple
WSA2010 LRV: 10
WR344 / A1M41



Oak Riche
WSA2014 LRV: 10
WR227 / A1M227



Manor Oak
WSA2016 LRV: 7
WR348 / A1M200



Washed Oak
WSA2015 LRV: 38
WR347 / A1M200



Oak Traditions
WSA2013 LRV: 25
WR353 / A1M225



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm



Samples

If colour choice is critical, please request a sample of the material.

01462 707 700

samples@altro.com

Guide to matching wood flooring

Altro Wood™ collection

The Altro Wood collection consists of different types of flooring available in the same designs, enabling you to install them alongside each other without compromising on aesthetics.

The flooring types available for each design are indicated below, with details of matching accessories and Light Reflectance Values (LRVs).

Flooring type guide

Altro Wood Safety™

Altro Wood Smooth™

Altro Wood Smooth Acoustic™

Weld rods / mastics / LRVs



Bleached Oak WSA2001
White Oak WSM2051

WR335 / A1M335 / LRV 52



Autumn Maple WSA2005
Light Maple WSM2055

WR339 / A1M339 / LRV 24



Farmhouse Oak WSA2004
Flaxen Oak WSM2054
Hush WSMA3781

WR338 / A1M27 / LRV 38



Beech Comber WSA2008
Warm Beech WSM2058
Haven WSMA3783

WR342 / A1M224 / LRV 36



Vintage Cherry WSA2002
Pale Cherry WSM2052

WR336 / A1M239 / LRV 22



Urban Cherry WSA2003
Classic Cherry WSM2053

WR337 / A1M337 / LRV 17



Rustic Oak WSA2006
Mellow Oak WSM2056

WR340 / A1M340 / LRV 37



Seasoned Cherry WSA2009
Rich Cherry WSM2059
Karma WSMA3784

WR343 / A1M246 / LRV 15



Walnut Noir WSA2011
Mature Walnut WSM2061

WR345 / A1M62 / LRV 6



Century Oak WSA2012
Mature Oak WSM2062

WR346 / A1M62 / LRV 8



Antique Walnut WSA2007
Mid Walnut WSM2057
Lull WSM3782

WR341 / A1M160 / LRV 15



Heritage Maple WSA2010
Red Maple WSM2060

WR344 / A1M41 / LRV 10



Oak Riche WSA2014
Victorian Oak WSM2070

WR227 / A1M227 / LRV 10



Manor Oak WSA2016
Black Oak WSM2064

WR348 / A1M200 / LRV 7



Washed Oak WSA2015
Greyed Oak WSM2063

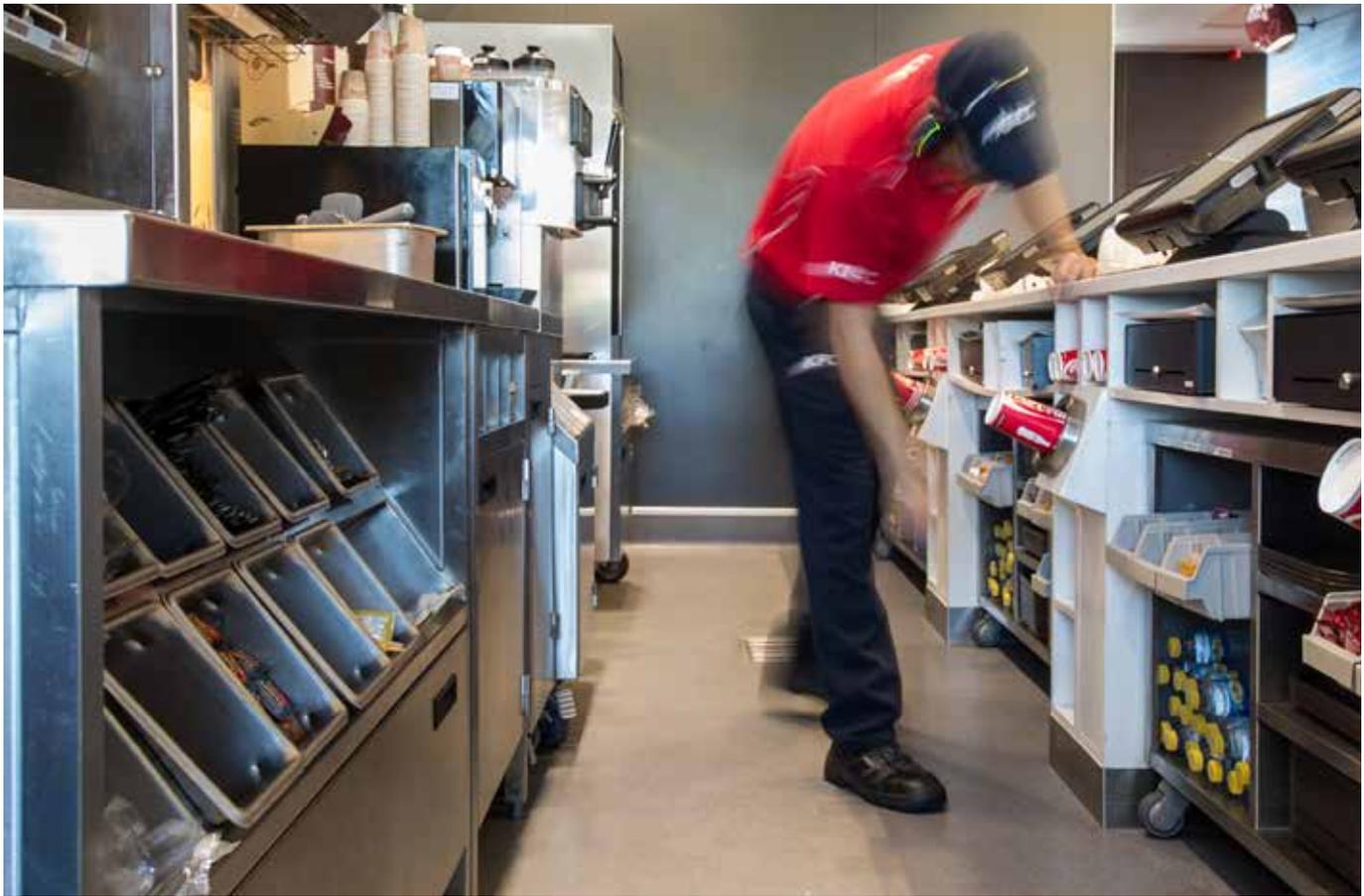
WR347 / A1M200 / LRV 38



Oak Traditions WSA2013
Forest Oak WSM2069

WR353 / A1M225 / LRV 25

Light Reflectance Values measured in accordance with BS8493:2008. Exact material match with samples cannot be guaranteed.
Codes: **WR** = weld rod, **A1M** = mastic, **LRV** = light reflectance value.



KFC Málaga

Altro Stronghold™ 30

Typical applications:

Kitchens. Canteens. Food preparation and service areas.
Areas where grease, oils or fats are present.

Water underfoot is treacherous enough – add grease, oils and fats, and you've got a dangerous environment. So, for commercial kitchens, canteens, food preparation and service areas, it's essential to select flooring that will help catering staff do their job safely.

Altro Stronghold 30 achieves Altro's highest rating for slip resistance (PTV ≥ 55 , R12) and is designed to minimise risk in wet and greasy conditions for the lifetime of the flooring. As well as helping to keep staff safe from slips, it also helps reduce their fatigue, thanks to its 3mm thickness which provides noise reduction and comfort underfoot.

Altro Stronghold 30 is frequently specified with Altro Whiterock hygienic wall cladding to create safe and hygienic environments in commercial and industrial kitchens.

For specialist locations such as bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.



Looks great with:

- **Altro Whiterock White**
- **Altro Whiterock Satins**
- **Altro Classic 25**
- **Altro resins**



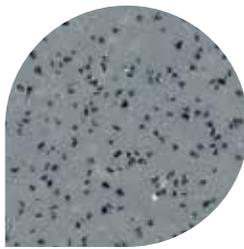
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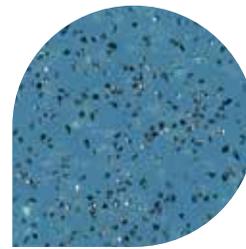




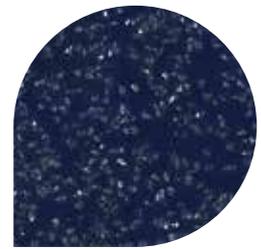
Abyss
K3001 LRV: 7
WR100 / A1M100



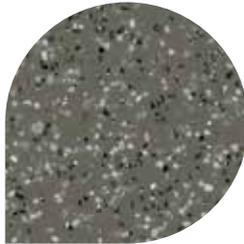
Monsoon
K30153 LRV: 24
WR81 / A1M81



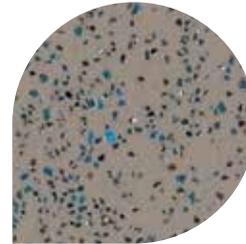
Surf
K30412 LRV: 20
WR71 / A1M71



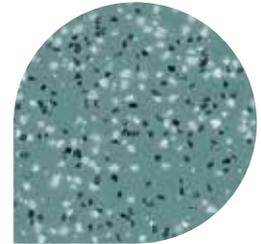
Lagoon
K30910 LRV: 7
WR39 / A1M34



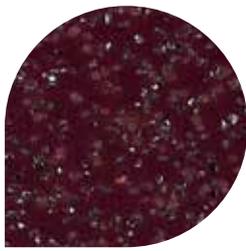
Tundra
K30500 LRV: 17
WR153 / A1M239



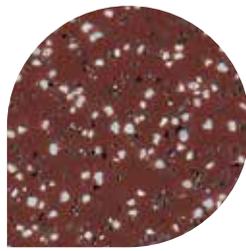
Camel
K3017 LRV: 26
WR64 / A1M239



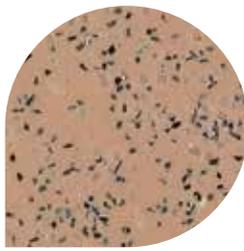
Skyline
K30332 LRV: 24
WR52 / A1M52



Velvet
K30365 LRV: 8
WR256 / A1M148



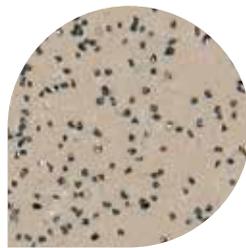
Russet
K30262 LRV: 14
WR41 / A1M41



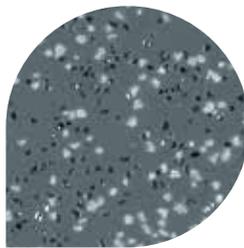
Maple
K30522 LRV: 31
WR24 / A1M27



Midnight
K30421 LRV: 11
WR72 / A1M72



Oyster
K30215 LRV: 36
WR20 / A1M20



Dolphin
K3010 LRV: 21
WR86 / A1M86



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.
Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions	2m x 15m
Format	ROLL
Thickness	3mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com





US Naval base

Altro Atlas™ 40

Typical applications:

Industrial areas exposed to heavy wheeled traffic such as pallet trucks and occasional forklift traffic (for more intense forklift traffic, an Altro resin is more suitable).

Sports changing rooms where spiked or studded shoes / boots are used.

Mezzanine areas.

Tough as old boots...and new boots, steel toe-capped work boots and studded football boots. Altro Atlas 40 is our most robust safety flooring, maintaining its integrity even when punctured by studs or spikes. It's well suited to heavy duty industrial use and sports changing rooms.

Hard wearing, stable, and resistant to mechanical damage and chemicals, Altro Atlas 40 provides long term durability and slip resistance, and is easy to clean and maintain.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30. For bathrooms and wet rooms we recommend Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Looks great with:

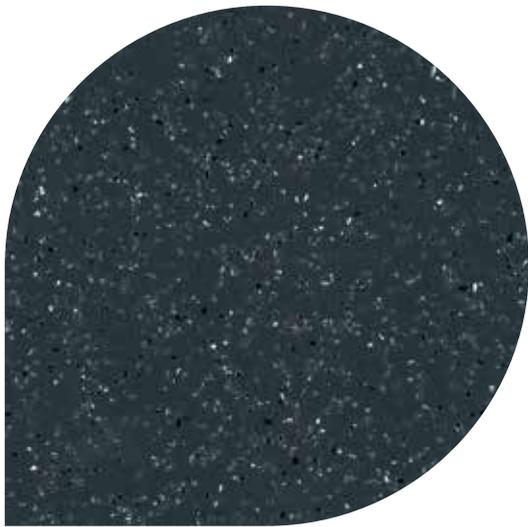
- **Altro Whiterock White**
- **Altro Whiterock Satins**
- **Altro resins**



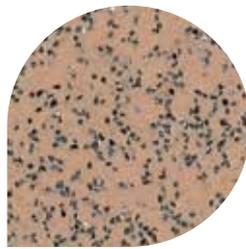
Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

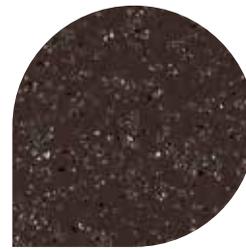




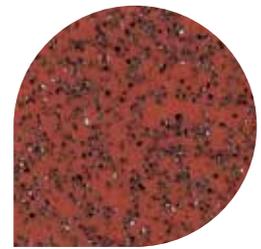
Anvil
X4094 **LRV: 11**
WR101 / A1M72



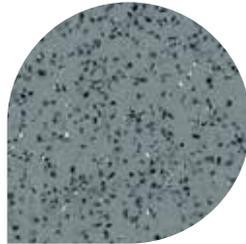
Mushroom
X4042 **LRV: 32**
WR24 / A1M27



Walnut
X4086 **LRV: 10**
WR62 / A1M62



Quarry Red
X4060 **LRV: 13**
WR42 / A1M42



Pewter Grey
X4039 **LRV: 26**
WR81 / A1M81



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches. Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 12.5m
Format ROLL
Thickness 4mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com





Worcester Royal Hospital MLU

Altro Aquarius™

Patent number GB 2 462 167

Typical applications:

**Bathrooms. Showers. Changing rooms.
Swimming pool surrounds. Saunas.**

You asked – we delivered. Inspired by customer feedback, Altro Aquarius was developed for lasting performance in wet and dry, shoes or barefoot. Achieving a PTV ≥ 50 and Class B to DIN51097 for barefoot use, Altro Aquarius provides optimum lifetime sustained slip-resistance in wet and dry environments.

Now with four new shades to choose from, this extended range features plain and tonal chip options, including an on-trend indigo shade to help you achieve high contrast and design flexibility.

It's a 2mm safety floor that has been extensively tested on a variety of shoe types to ensure top performance in a host of environments – bathrooms, changing areas, hospital wards. Anywhere you can expect a wet and dry floor environment. It's also easy to clean, with Altro EasyClean Maxis PUR technology, meaning it's at the forefront of safety floor cleaning.

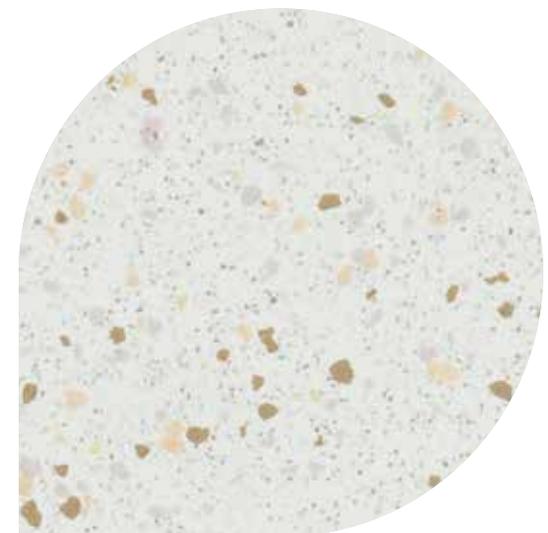
No longer do you have to choose between studded or standard safety flooring. With Altro Aquarius you can have it all. Good looks and comfort, without compromising on safety.

For specialist locations such as kitchens, canteens and food preparation areas, where grease, oils or fats may be present, we recommend Altro Stronghold 30.

 We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

 Looks great with:

- Altro Whiterock Satins
- Altro Whiterock Chameleon
- Altro Suprema
- Altro Walkway 20



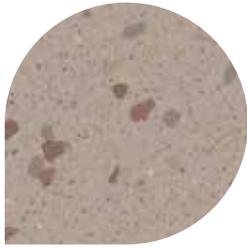
Swan

AQI2012 LRV: 75
WR291 / A1M01

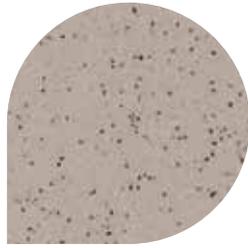
 Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

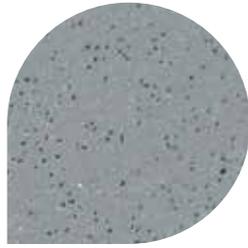




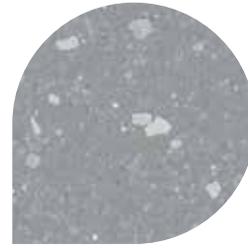
Terrapin
AQI2009 LRV: 40
WR289 / A1M265



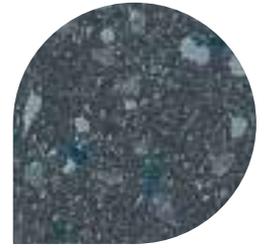
Vole
AQI2010 LRV: 43
WR289 / A1M265



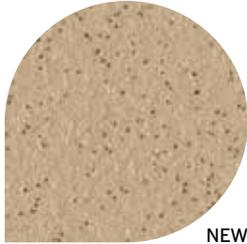
Walrus
AQI2007 LRV: 29
WR261 / A1M81



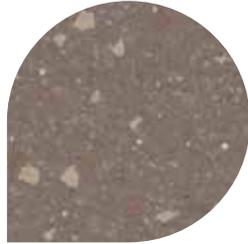
Tern
AQI2008 LRV: 31
WR261 / A1M81



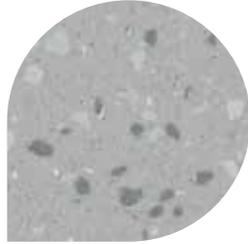
Hippo
AQI2013 LRV: 11
WR301 / A1M82



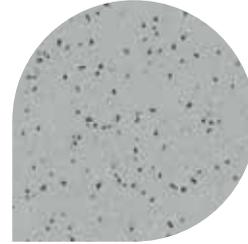
Iguana NEW
AQI2021 LRV: 41
WR297 / A1M20



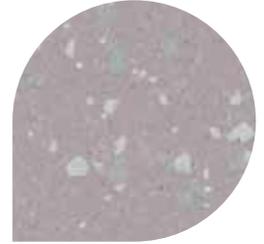
Otter
AQI2006 LRV: 26
WR290 / A1M239



Puffin
AQI2005 LRV: 46
WR287 / A1M79



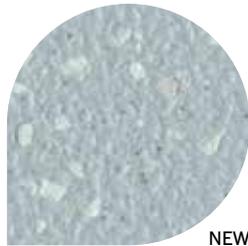
Cygnet
AQI2004 LRV: 46
WR287 / A1M79



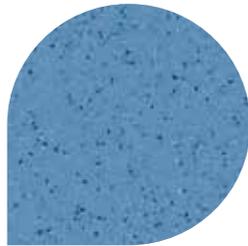
Salamander
AQI2011 LRV: 41
WR294 / A1M294



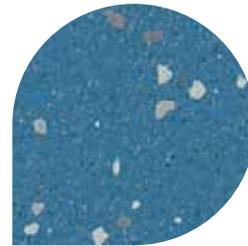
Gosling NEW
AQI2023 LRV: 59
WR369 / A1M369



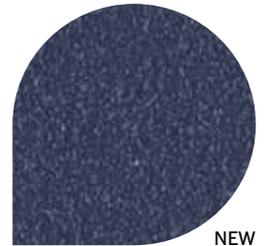
Sea Snail NEW
AQI2024 LRV: 50
WR370 / A1M370



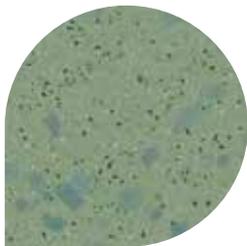
Dragonfly
AQI2001 LRV: 33
WR292 / A1M292



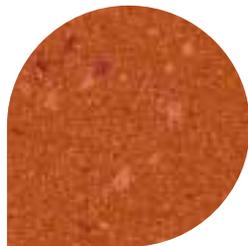
Blue Penguin
AQI2002 LRV: 24
WR288 / A1M71



Newt NEW
AQI2022 LRV: 10
WR368 / A1M368



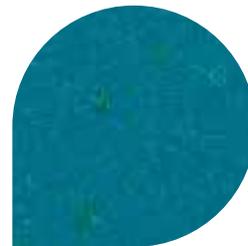
Treefrog
AQI2003 LRV: 33
WR293 / A1M271



Coral Crab
AQI2014 LRV: 14
WR300 / A1M42



Spoonbill
AQI2016 LRV: 11
WR303 / A1M303



Mallard
AQI2015
WR302 / A1M302



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm



Samples

If colour choice is critical, please request a sample of the material.

☎ **01462 707 700**

✉ **samples@altro.com**



Dunfermline High School

Altro Marine™ 20

Typical applications:

Shower cubicles. Foot wash areas at swimming pools.

Did you know that dimples can help you stay upright in the shower? Altro Marine 20 has a dimpled surface that's specially designed for bare feet in shower cubicles where you need Class C. It provides excellent slip resistance but still feels comfortable underfoot.

Altro Marine 20's hardwearing construction makes it resistant to most chemicals and indentation, and it's easy to maintain, so it will keep looking good and performing well for longer.

For other wet areas, see Altro Aquarius.



We strongly recommend carrying out a risk assessment in any area in which the installation of safety flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



Looks great with:

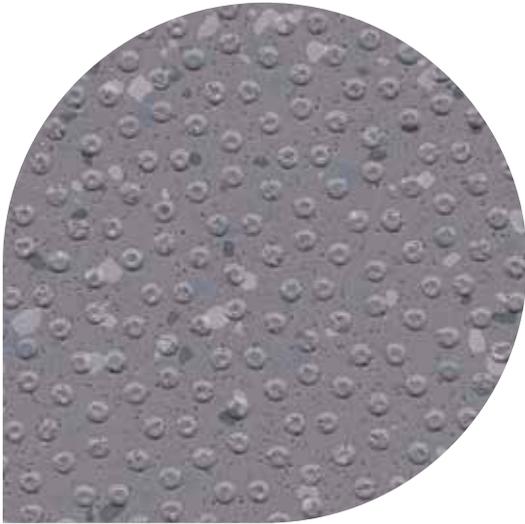
- Altro Whiterock Satins
- Altro Whiterock Chameleon
- Altro Aquarius



Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Safety Flooring, full details available at www.thegreenguide.org.uk

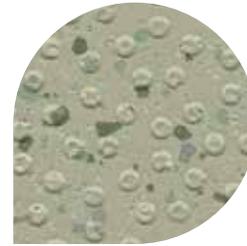




Shark
IPT20812 LRV: 24
WR201 / A1M84



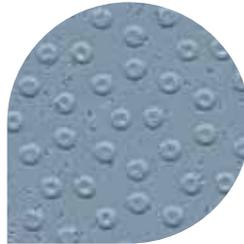
Gull
T20813 LRV: 46
WR79 / A1M191



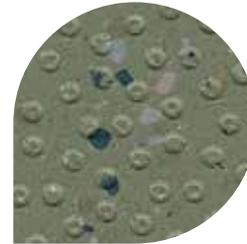
Seagrass
IPT20814 LRV: 37
WR137 / A1M137



Cascade
IPT20809 LRV: 71
WR105 / A1M01



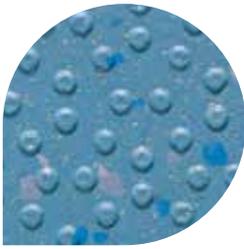
Marlin
T20811 LRV: 34
WR203 / A1M203



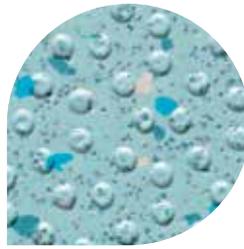
Fen
IPT20815 LRV: 19
WR242 / A1M242



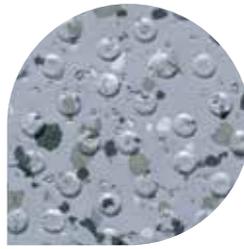
Reef
T20801 LRV: 41
WR20 / A1M20



Tide
IPT20808 LRV: 21
WR71 / A1M71



Rainfall
IPT20810 LRV: 43
WR135 / A1M135



Steam
IPT20807 LRV: 37
WR85 / A1M85



i For a co-ordinated appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches. Please see technical chart on pages 80-81 for full details.

LRV = Light Reflectance Value

Dimensions 2m x 20m
Format ROLL
Thickness 2mm

Samples
If colour choice is critical, please request a sample of the material.
01462 707 700
samples@altro.com

Introduction to Altro resins

Coatings for light duty areas

AltroSeal™ / AltroCoat™

Seal the deal with AltroSeal and AltroCoat. They provide a tough chemical and abrasion resistant, 100 - 180 micron two-coat finish for light duty areas. They are often used for dust suppression or sealing of otherwise open substrates, or as additional seal coats for thicker resin systems. Seals and coatings are suitable for moderate pedestrian traffic such as stores and plant rooms but will not be sufficient to hide substrate imperfections or texture.

Coatings for light to medium duty areas

AltroShield™ SF / AltroTect™

Add a splash of colour to your floors and walls. Altro resin high-build coatings are used to treat concrete and other floor substrates, or finished walls to create a tough chemical and abrasion resistant 300 – 500 micron two-coat finish for light to medium duties. These high-build coatings add wear resistance and colour to provide a floor finish for environments such as warehouses and workshops.



Small World Beers

Multi-layer coating systems (for medium to heavy duty areas)

AltroCast™ / Altro Mosaic™

Combine layers to create a floor perfect for your environment. Appropriate for moderate to heavy pedestrian traffic and intermittent wheeled traffic, multi-layer coating systems provide you a variety of single colour or decorative effects with a choice of textures. Using a base of high-build coloured epoxy coating, aggregates or flakes are added, and then sealed with coloured or clear epoxy with a choice of textures and slip-resistance values, suitable for a variety of medium-duty areas with occasional heavier use.

Epoxy flow

AltroFlow™ EP

Flow systems are perfect for a smooth finish. They combine resin and fine aggregates to create a screed system which is applied by trowel or specialist rake. They are designed to flow freely, helping to reduce the appearance of trowel marks, but should not be regarded as entirely self-levelling. The surface of epoxy flow-applied systems is relatively smooth, with a high-gloss which reduces with abrasion associated with wear. A matt finish can also be provided to disguise this. Flow systems are typically applied in depths from 1mm to 3mm.

Epoxy screeds

Altro TB Screed™ / Altro TB Screed Rapicure™ / AltroScreed Quartz™ EP / AltroScreed Quartz Boutique™ / AltroScreed Quartz Rapicure™ / Altro Multiscreed™ EP Naturals

If you need a floor that is tough yet good looking, epoxy screeds give you both. They contain a higher percentage of aggregate than thinner systems, to provide greater depth and strength. Altro epoxy screeds are trowel-applied at depths of 3mm or greater using decorative aggregates bound in clear resin to create a variety of attractive durable floors, for medium duty areas for wheeled traffic or heavier duty pedestrian areas.

Grip systems

AltroGrip™ EP / AltroGrip Quartz™ / Altro TB + Cast™ / AltroGrip™ PU

Frequent spills or floors with an incline, grip systems can keep you steady on your feet. Altro grip systems provide you with a floor with superior slip resistance. The addition of slip-resistant aggregate to the surface of a flow-applied resin or a trowel applied screed adds safety underfoot. The size of the surface aggregate determines the extent of the slip resistance. The surface is then sealed with clear or coloured resin. We offer a variety of systems with differing thickness to suit environments from light duty to heavy duty, so whatever your activities, we can keep your users safe.

Polyurethane systems

AltroCrete PU Excel™ / AltroFlow™ PUM / AltroCrete™ PU Fast-Track

Expect a lot from your floor? Altro polyurethane screeds can handle the pressure. These functional resins are designed for industrial food and drink manufacture, high output kitchens and other general industrial applications. Available in self-smoothing or textured format, they can be laid in a variety of depths for medium to heavy duty. The Altro PU range has been shown to meet the requirements of the European Parliament Regulation (EC) No 852/2004 on the hygiene of foodstuffs.

Flexible systems

Altro Flexiflow™

If you need a floor that goes with the flow, yet is tough, durable and of course, flexible, Altro Flexiflow makes the grade. It is a self-smoothing floor able to tolerate a degree of structural movement spanning subfloor joints to provide a completely seamless finish.

The UV stable top coat can be supplied in either smooth or slip-resistant variants, for a balance between safety and ease of cleaning. It can be renewed or refreshed as the surface shows signs of traffic during the life of the product.

Altro Flexiflow comfort option provides enhanced levels of comfort underfoot whilst the acoustic option offers reduced foot traffic noise and more extensive tactile cushioning.

Static control

AltroStat™ SD / AltroScreed Quartz™ EP SD

When safety for potentially hazardous or electronically sensitive equipment is a priority, Altro static dissipative resins are just the job. They provide all the performance benefits of epoxy resin flooring. These surfaces are often installed over a perimeter ring (or grid) of conductive tape which can be connected to electrical earth, to control the passage of electrostatic charge through an in-built path with resistance of between 5×10^4 and 2×10^6 ohms.

Vertical systems

AltroSeal™ UVR / AltroCoat™ V / AltroTect™ V / Altro TB Screed™ / Altro Mosaic™

Don't climb the walls trying to find a solution for your challenging environment. These ranges for walls provide a highly durable, hygienic and chemically-resistant finish. Typical uses include laboratories, secure / custodial units, healthcare environments, sport and defence establishments. Where other walls surfaces will fail, our vertical systems will provide you with the performance you need.

Technical chart



Cornwall Sports

Technical chart	AltroSeal UVR	AltroCoat	AltroShield SF	AltroTect	AltroCast	Altro Mosaic	AltroFlow EP	Altro Flexiflow	Altro TB Screed / Rapicure
Thickness	90 - 180 microns	180 microns	340 microns	350 - 500 microns	1.25 mm	1 - 1.5 mm	1 - 3 mm	2 mm (6mm acoustic option)	3 mm
Guarantee	2	2	2	2	6	6	6	6 - 10	6
Life expectancy	5	5	5	5	10	8	10	40*	15
FeRFA category	1	2	3	3	N/A	4	5	5	N/A
Impact resistance	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Good	Good / excellent	Good
Wear characteristics	Light duty	Light duty	Light / medium duty	Medium duty	Medium duty	Medium duty	Medium / heavy duty	medium duty	Medium duty
Potential for slip	Moderate	Moderate	High	Moderate	Low	Moderate	High	Low / moderate	Moderate
Service temperature	Min 0°C Max +60°C	Min 0°C Max +30°C	Min 0°C Max +60°C						
Hygiene	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent
Ease of cleaning	Easy	Easy	Easy	Easy	Moderate	Easy	Easy	Excellent	Easy
Chemical resistance	High	Moderate	Moderate						
Application method	Roller	Roller	Roller	Roller	Roller	Roller	Trowel	Trowel / roller	Trowel



Estádio José Alvalade

Altro TB + Cast	AltroScreed Quartz EP	AltroScreed Quartz Rapicure	Altro Multiscreed Naturals	AltroGrip EP	AltroGrip Quartz EP	AltroGrip PU	AltroFlow PUM	AltroCrete PU Excel / Fast Track	AltroStat SD	AltroScreed Quartz EP SD
4.5 mm	4 - 6 mm	5mm	4 mm	2 - 6 mm	2 - 6 mm	4 mm	2 - 4 mm	6 - 8 mm	3 mm	4 mm
10	10	10	10	6 - 10	10	10	6	15	6	10
15	15	15	15	10 - 15	10 - 15	15	10 - 15	20	10	15
4	6	6	6	4	4	4	7	8	5	6
Good / excellent	Good / excellent	Good / excellent	Good / excellent	Good / excellent	Good / excellent	Good / excellent	Good / excellent	Excellent	Good	Good / excellent
Medium / heavy duty	Medium / heavy duty	Medium / heavy duty	Medium / heavy duty	Medium / heavy duty	Medium / heavy duty	Medium / heavy duty	Heavy duty	Very heavy duty	Medium / heavy duty	Medium / heavy duty
Low	Moderate	Low	Low	Low	Low	Low	Low	Low	High	Moderate
Min 0°C Max +60°C	Min 0°C Max +60°C	Min 0°C Max +60°C	Min 0°C Max +60°C	Min 0°C Max +60°C	Min 0°C Max +60°C	Min -40°C Max +60°C	Min -40°C Max +60°C	Min -40°C Max +120°C**	Min 0°C Max +60°C	Min 0°C Max +60°C
Satisfactory	Excellent	Excellent	Excellent	Satisfactory	Satisfactory	Satisfactory	Excellent	Good	Excellent	Excellent
Moderate	Easy	Easy	Easy	Moderate	Moderate	Moderate	Easy	Moderate	Easy	Moderate
Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	High	High	High	Moderate	Moderate
Trowel	Trowel	Trowel	Trowel	Trowel	Trowel	Trowel	Trowel	Trowel	Trowel	Trowel

* Top coat may need to be refreshed during the life of the product.

** At 8mm.



Bermondsey Kappacasein

AltroSeal™

Typical applications:

Packing areas. Pharmaceutical. Craft and design rooms. Defence. Laboratories.

AltroSeal UVR-WB

FeRFA type 1

Don't want a shiny floor? No problem – get a smart matt finish with this cosmetic seal coat. A water-borne, polyurethane, clear resin matt seal, it goes on top of our epoxy resin systems with approximately 50 microns per coat.

AltroSeal UVR

FeRFA type 1

Resistant to a wide range of chemicals and UV light, this resin seal with a flat-silk finish is ideal for light-duty areas where chemical spillage is likely. It can also be used as a final seal coat to give extra chemical resistance to epoxy resin systems. A solvent based polyurethane resin seal, it has approximately 90 microns per coat. It is available in coloured and clear.

AltroSeal UVR Plus

Offering all the benefits of AltroSeal UVR but with the added advantage of slip-resistance, AltroSeal UVR Plus includes a micaceous mineral which lightly textures the surface.

AltroCoat™

Typical applications:

Warehousing storage. Vehicle workshops.

AltroCoat

FeRFA type 2

Need a moisture-tolerant epoxy coating? Look no further. AltroCoat is specially designed to tolerate construction moisture and is ideal for use on newly-installed cementitious substrates. A cost-effective, fast-track solution, AltroCoat cleverly allows moisture vapour to leave the substrate while forming a barrier against contamination from above. Twin-pack AltroCoat is a water-miscible epoxy resin and provides a flat-silk finish with approximately 90 microns per coat. It is available in coloured and clear.

AltroCoat Plus

Offering all the benefits of AltroCoat but with the added advantage of slip-resistance, AltroCoat Plus includes a micaceous mineral which lightly textures the surface.

Please see technical chart on pages 116-117 for full details. For technical lay-up drawing see pages 144-145.



FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium sulphate screeds to be suitable for overlayment with resin floor finishes. Other colours may be made to order, lead time and charges may apply. UVR technology reduces the effect of UV light on long-term colour stability. Please consult Altro for chemical resistance details. Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining particularly on premature or prolonged contact with chemicals including water. Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value



Samples
If colour choice is critical, please request a sample of the material

☎ 01462 707 700
✉ samples@altro.com



† Safety colours for small demarcation areas only, a white undercoat should be used and additional coats may be required, please refer to Altro. * Non-standard cost options



Yamaha

AltroShield™ SF

Typical applications:

**Storage areas. Warehouses. Aviation hangars.
Light industrial premises.**

FeRFA type 3

This glossy resin coating provides a tough surface with excellent resistance to chemicals and abrasion. AltroShield SF is a twin-pack, solvent-free, high-build epoxy resin that's designed to be applied directly to the substrate in two coats with a nominal thickness of 340 microns.

AltroTect™

Typical applications:

**Packing areas. Warehousing storage.
Vehicle workshops. Defence.**

FeRFA type 3

A resin coating with a gloss finish, AltroTect is highly resistant to chemicals and abrasion. Choose from a wide range of colours or create your own with bespoke options. This twin-pack, solvent-free, high-build epoxy resin has a nominal thickness of 350 to 500 microns and should be applied in two coats directly to the substrate.

AltroTect Plus

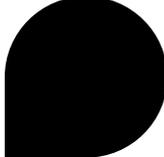
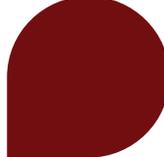
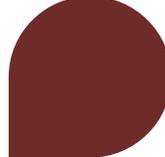
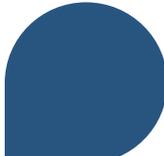
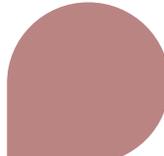
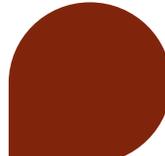
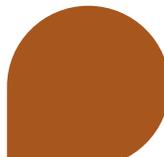
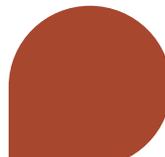
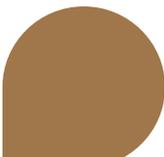
Offering all the benefits of AltroTect but with the added advantage of slip-resistance, AltroTect Plus includes a micaceous mineral which lightly textures the surface.

Important: Altro resins provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer from scratching, chemical attack or staining. Please contact Altro for further information.

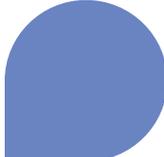
Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.

AltroTect colour chart

AltroTect is also available in clear

 Cloud LRV: 50	 Doe LRV: 35	 Winter Grey LRV: 19	 Black LRV: 0.5	 Burnt Chocolate LRV: 5	 Wine Red LRV: 6	 Magenta LRV: 10
 Dawn LRV: 42	 Flint LRV: 28	 Wedgewood LRV: 20	 Sark LRV: 10	 Indigo LRV: 3	 Ramone LRV: 32	 Ruby LRV: 8
 Gunmetal LRV: 23	 Norfolk LRV: 20	 Magic LRV: 10	 Cyprus LRV: 21	 Spruce LRV: 29	 Ranch LRV: 16	 Tropic LRV: 15
 Topaz LRV: 42	 Toast LRV: 26	 Portland Grey LRV: 43	 Patina LRV: 11	 Jade LRV: 28	 Safety Yellow** LRV: 53	 Safety Red** LRV: 12

AltroShield SF colour chart

 Light Grey LRV: 47	 Mid Grey LRV: 33	 Dark Grey LRV: 22	 Blue LRV: 23	 Green LRV: 19	 Red LRV: 12
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FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.

Pale colours may show some cosmetic discolouration on exposure to UV light.

Please consult Altro for chemical resistance details.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

**Samples**

If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com



LRV = Light Reflectance Value

† Safety colours for small demarcation areas only, a white undercoat should be used and additional coats may be required, please refer to Altro. * Non-standard cost options



Billing Aquadrome

AltroCast™

Typical applications:

Changing areas. Showers. Bathrooms. Bars. Cellars.

FeRFA type N/A

Need to meet slip resistance legislation requirements for wet conditions? AltroCast is fully compliant with BS8204 Part 6 – 6.6 and 11.5.

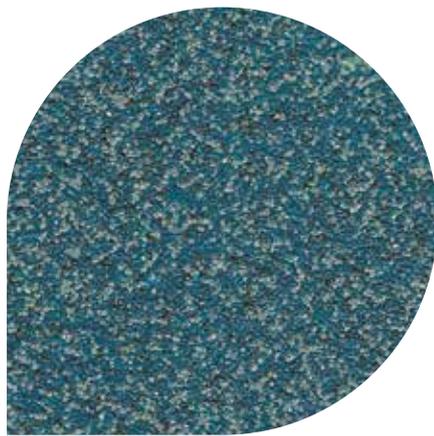
A solvent-free, epoxy resin combination system, it's created with AltroTect epoxy coating and a quartz aggregate. This gives a durable, textured gloss surface which is available in either single or multi-coloured decorative finishes, with a nominal system thickness of 1.25mm.

AltroCast single colour – A full scatter of single-colour quartz aggregate is added to AltroTect Coloured and finished with two coats of AltroTect coloured epoxy resin (standard colour chart on page 121 or bespoke colours).

AltroCast multi-colour – A full scatter of AltroCast decorative aggregate is added to AltroTect Coloured, then sealed with two coats of AltroTect Clear epoxy resin to maintain the multi-coloured appearance. Please see the colour chart on page 123.

Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.

AltroCast colour chart



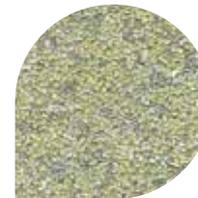
Malvern
LRV: 10



Peak
LRV: 22



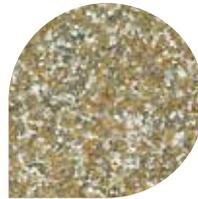
Dartmoor
LRV: 15



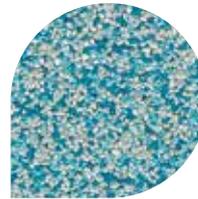
Mendip
LRV: 34



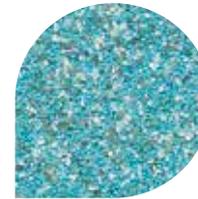
Southdown
LRV: 36



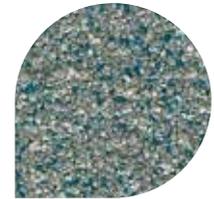
Tweedsmuir
LRV: 20



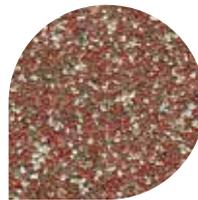
Wicklow
LRV: 26



Cuillin
LRV: 30



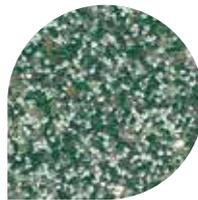
Highland
LRV: 22



Brecon
LRV: 12



Sidlaw
LRV: 15



Exmoor
LRV: 15

AltroCast Natural colour chart



Dune
LRV: 28



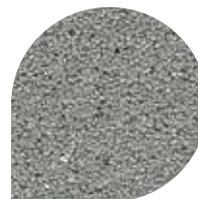
Desert
LRV: 29



Cliff
LRV: 32



Ravine
LRV: 11



Mountain
LRV: 17



Rock
LRV: 30

i FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.
 Pale colours may show some cosmetic discolouration on exposure to UV light.
 Please consult Altro for chemical resistance details.
 Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.
 Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material

01462 707 700
samples@altro.com





Kingsdale School

Altro Mosaic™

Typical applications:

Communal areas. Walkways. Corridors. Dining areas. Canteens.

FeRFA type 4

Vibrant, textured and glossy or subtle, smooth and matt? The choice is yours with these two distinctly different systems that encapsulate decorative acrylic flakes in solvent-free, AltroTect Clear epoxy resin with a nominal thickness of 1.25mm.

Altro Mosaic Texture

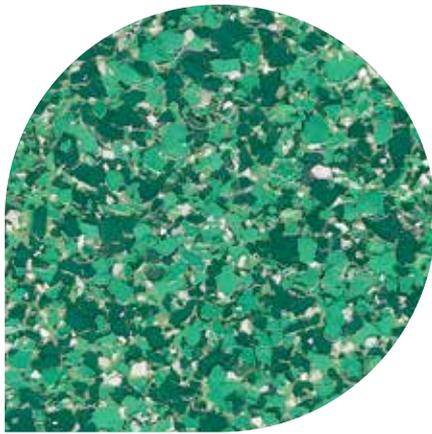
Providing a textured, high-gloss finish, a full scatter of multi-coloured paint flakes is added to AltroTect Coloured and sealed with two coats of AltroTect Clear.

Altro Mosaic Glaze

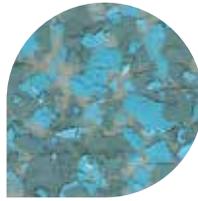
For a glazed, matt finish, a full scatter of multi-coloured paint flakes is added to AltroTect Coloured, then sealed with three coats of AltroTect Clear and a final seal of AltroSeal UVR-WB.

Please see technical chart on pages 116-117 for full details.

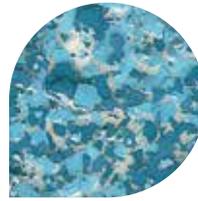
For technical lay-up drawing see pages 144-145.



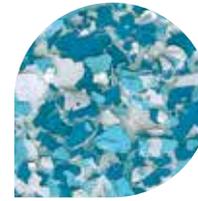
Solstice
LRV: 19



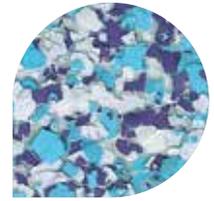
Squall
LRV: 19



Rain
LRV: 23



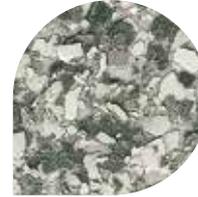
Daylight
LRV: 34



Tropical
LRV: 32



Mist
LRV: 35



Isobar
LRV: 11



Cumulus
LRV: 40



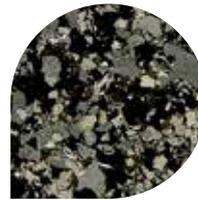
Forties
LRV: 27



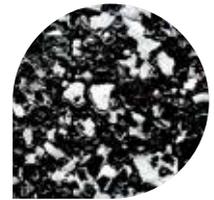
Haze
LRV: 23



Levanter
LRV: 35



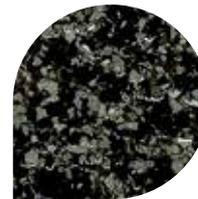
Thunder
LRV: 10



Equinox
LRV: 15



Sandstorm
LRV: 10



Nimbus
LRV: 6

i FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.
 Pale colours may show some cosmetic discolouration on exposure to UV light.
 Please consult Altro for chemical resistance details.
 Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.
 Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material

01462 707 700
samples@altro.com





911 Rennsport

AltroFlow™ EP

Typical applications:

**Packing areas. Storage. Pharmaceutical. Metal fabrication.
Defence. Healthcare.**

FeRFA type 5

When you need a floor that goes with the flow, AltroFlow EP is a winner. It is a three-part solvent-free, epoxy resin system for application to level floors. Regularly installed in commercial, pharmaceutical and industrial dry-process environments, it provides good chemical and impact resistance. It is an easily cleaned, smooth, seamless surface providing a classy high gloss finish in 26 colours. AltroFlow EP comes in a choice of thickness of 1mm, 2mm and 3mm to suit the texture of the substrate. So no matter what your requirements, AltroFlow can give you the surface you need.

Modified AltroFlow systems are available where slip-resistance is required. Please see AltroGrip EP and AltroGrip Quartz. For a static dissipative alternative see static control section.

Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.



FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.

In common with other single colour high gloss finishes, AltroFlow EP may exhibit scratching with traffic and abrasion, this is particularly prominent in darker colours. To minimise this effect various options are available i.e. correct maintenance and entrance matting. Please contact Altro sales for more information.

Bespoke colours may be available to order, a special grade of aggregate is required for lighter or more vibrant colours, lead-time and charges may apply. Pale colours may show some cosmetic discolouration on exposure to UV light.

Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value



Samples

If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com





Sovereign House

Altro Flexiflow™

FeRFA type 5

Need a floor that is tough enough to handle high impact yet be flexible enough to move with your building? You can overlay day joints with it and it takes up building movement so you can also apply it over existing expansion joints, within certain tolerances*. It gives a uniform and seamless finish with uninterrupted lines. Self-levelling, it makes installation easy. With 28 colour options it's flexible enough to fit into your design vision too.

Its matt, resistant finish provides long term appearance retention. With its PUR top coat it provides UV colour stability, durability and ease of cleaning. A slip-resistant option is also available.

With AltroProof Solo™ primer, you can lay Altro Flexiflow over green concrete allowing for speedier installation. Its flexible nature makes it more tolerant of a variety of substrates, resulting in less risk of remedial work.

Created with over 50% renewable natural oil content, it reduces your carbon footprint. It has very low VOCs for a healthier, greener building.



Please see technical chart on pages 116-117 for full details. For technical lay-up drawing see pages 144-145.



You can get Altro Flexiflow in three options:

Standard

The **standard** version combines flexibility with high levels of robustness.

Typical applications:

- medium duty industrial premises with rolling loads, eg corridors, workshops, production areas, mezzanine decks
- pharmaceutical, mortuaries, clean rooms
- CDT areas, circulation / display / exhibition areas, museums, markets, heavy commercial areas, offices

Comfort

The **comfort** version combines robustness with flexibility and comfort underfoot. Perfect for environments where people are on their feet all day.

Typical applications:

- light production areas, laboratories, operating theatres
- aged care facilities, mental health seclusion rooms and low stimulus rooms
- retail, museums, galleries, atria

Acoustic

The **acoustic** option satisfies the requirement E4 of Building Regulations and BB93 acoustic design of schools. It also has the comfort factor. Quiet *and* comfortable? Perfect for all areas, from noisy schools to quiet libraries.

Typical applications:

- music rooms, libraries, quiet rooms
- schools / tertiary education corridors on the first floor or above to help minimise noise impact on lower level rooms
- general purpose school halls, assembly rooms

As with all our resins, flexibility is key in your design and colour. So if you require a bespoke shade or a topcoat for added slip resistance, just call. We're here to help.

** For application over building expansion joints, details of percentage elongation may be required. These can be provided by the appointed structural engineer. In the case of structural movement joints you may still need to bring the joint through the surface.*





FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.

The cosmetic, UV stable Altro Flexiflow topcoat may be refreshed periodically throughout the life of the product. Bespoke colours may be available to order, lead-time and charges may apply.

Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

Always use the correct maintenance and entrance matting to help minimise potential wear and maintain a clean environment.

LRV = Light Reflectance Value



Samples

If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com





MANCAT

Altro TB Screed™

Typical applications:

Laboratories. Communal areas. Walkways. Offices. Restaurants.

FeRFA type N/A

Altro TB Screed is clearly striking. It is a solvent-free epoxy resin system comprising smaller size quartz aggregate bound in clear resin and finished with clear seal coats. The combination provides a high strength, chemically resistant decorative floor finish. Altro TB Screed Natural combines beauty with practical performance.

Both systems have a nominal thickness of 3mm, can be covered, laid to falls or applied to vertical surfaces.

Altro TB Screed Rapicure™

Typical Applications:

Laboratories. Communal areas. Walkways. Offices. Restaurants.

FeRFA type N/A

If you're in a hurry, don't worry, Altro TB Screed Rapicure is your floor. It boasts all the credentials of Altro TB Screed, with the added benefit of seals from Altro's Rapicure Technology. So you can get back to what you do best, and we can give you the best floor.

Altro TB+ Cast™

Typical applications:

Food and drink. Changing areas. Showers. Bars. Cellars. Kitchens. Serveries.

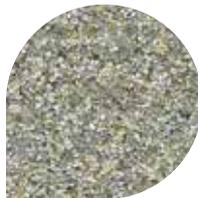
FeRFA type 4

When you have a slippery situation, Altro TB+ Cast can keep you on your feet. A textured broadcast system is applied to Altro TB Screed producing excellent slip-resistance with a nominal thickness of 4.5mm. This system has been specifically formulated for wet areas such as kitchens, shower areas and wet production areas where slip-resistance is a priority. Altro TB + Cast can be laid to drainage falls and Altro TB Screed allows the formation of matching cove sections, kerb up-stands or wall render for fully-tanked wet-room situations.

Please see technical chart on pages 116-117 for full details. For technical lay-up drawing see pages 144-145.



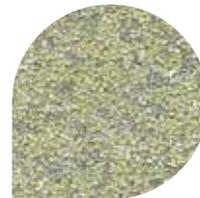
Tweedsmuir
LRV: 20



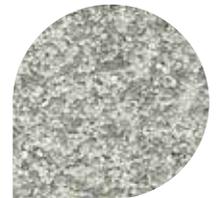
Peak
LRV: 22



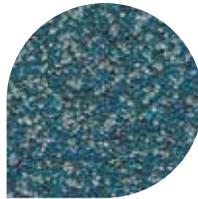
Dartmoor
LRV: 15



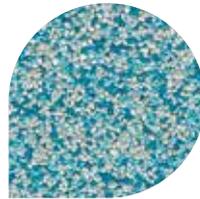
Mendip
LRV: 34



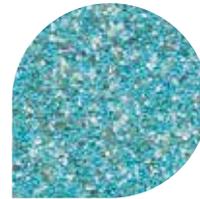
Southdown
LRV: 36



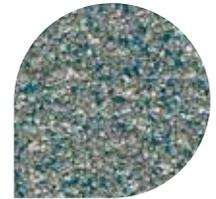
Malvern
LRV: 10



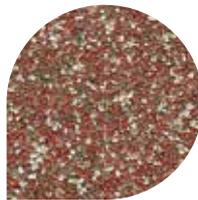
Wicklow
LRV: 26



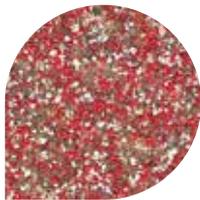
Cuillin
LRV: 30



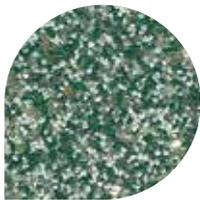
Highland
LRV: 22



Brecon
LRV: 12



Sidlaw
LRV: 15



Exmoor
LRV: 15

Natural colour chart



Dune
LRV: 28



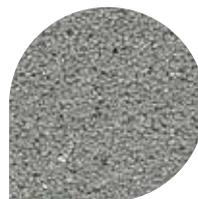
Desert
LRV: 29



Cliff
LRV: 32



Ravine
LRV: 11



Mountain
LRV: 17



Rock
LRV: 30

i FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.
 Pale colours may show some cosmetic discolouration on exposure to UV light.
 Please consult Altro for chemical resistance details.
 Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.
 Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value

Samples
 If colour choice is critical, please request a sample of the material

☎ 01462 707 700
 ✉ samples@altro.com



AltroScreed Quartz™ EP

Typical applications:

Dry food and drink packing. Laboratories. Clean rooms. PE changing areas. Walkways. Custodial. Containment. Retail. Dining. Offices.

FeRFA type 6

AltroScreed Quartz EP is a clear winner. It is a solvent-free system with blended decorative quartz aggregate bound with clear epoxy resin and finished with clear seal coats. It provides a high-strength chemically resistant floor that can be covered and laid to drainage falls. It is ideally suited to medium-duty production areas, circulation areas and laboratories. Available in a nominal thickness of 4mm to 6mm.

AltroScreed Quartz Boutique™

Typical applications:

Dry food and drink packing. Laboratories. Clean rooms. PE changing areas. Walkways. Custodial. Containment. Retail. Dining. Offices.

FeRFA type 6

This system raises it up a notch or two, providing all the benefits of AltroScreed Quartz EP, with a colour palette for those with an ambitious design vision. Inspired by the beauty of gemstones, it packs a punch for colour opportunities. Available in 4mm to 6mm.



Kittybrewster



Llanwern High School

AltroScreed Quartz Rapicure™

Typical applications:

Education – corridors, dining room, CDT, changing rooms, art rooms, atria.

Healthcare clubs. Arenas. Exhibition halls. Custodial.

Serveries. Canteens. Retail. Laundries. Warehouses.

Food and drink production and packing areas. Pharmaceutical.

FeRFA type 6

When time is of the essence, AltroScreed Quartz Rapicure is the answer. It is a rapid cure decorative quartz screed ready to step on in less than half the time of conventional epoxy systems. It has the added benefit of not producing the odours associated with MMA based systems.

Available in 5mm thickness, AltroScreed Quartz Rapicure is ideal for installations in large, medium or small public areas requiring safety. When applied with a slip resistant seal coat it offers slip resistance of PTV ≥ 36 and a Ramp Test DIN 51130 R10 classification. It has a closed surface texture that reduces dirt retention, making it easy to clean and maintain. It also offers a good level of chemical resistance to most common chemicals.

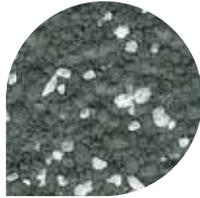
With all the AltroScreed Quartz / Boutique colours to hand, you can have a bold and quick colour change.

Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.

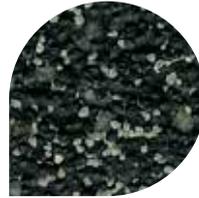
AltroScreed Quartz EP / AltroScreed Quartz Rapicure colour chart



Turquoise
LRV: 26



Kyanite
LRV: 9



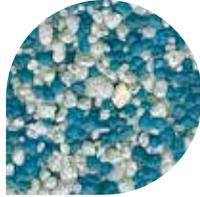
Onyx
LRV: 8



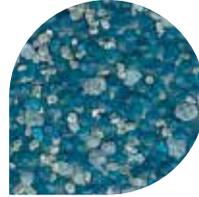
Iona
LRV: 5



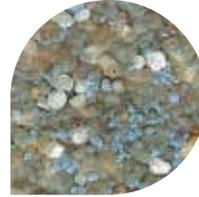
Pyrite
LRV: 20



Ula
LRV: 22



Lapis
LRV: 14



Rachelle
LRV: 19



Greta
LRV: 21



Pearl
LRV: 33



Narooma
LRV: 14



Amber
LRV: 41



Alcazar
LRV: 24



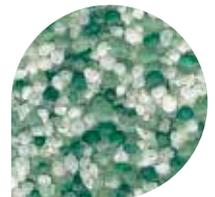
Giza
LRV: 27



Peketo
LRV: 14



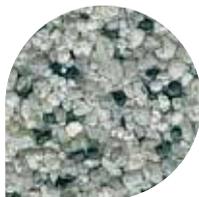
Citrine
LRV: 26



Yakootah
LRV: 23



Jumaana
LRV: 44



Opal
LRV: 25

AltroScreed Quartz Boutique / AltroScreed Quartz Rapicure colour chart



FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.

Pale colours may show some cosmetic discolouration on exposure to UV light.

Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value



Samples

If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com





North Hertfordshire College

Altro Multiscreed™ EP Naturals

Typical applications:

**Communal areas. Laboratories. Craft. Design rooms. Retail.
Dining. Offices. Corridors.**

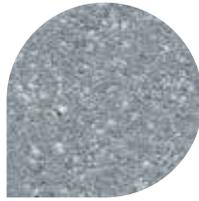
FeRFA type 6

For a tough surface that can handle the bumps and knocks of life, Altro Multiscreed EP Naturals rises to the challenge. A solvent-free epoxy resin system, it has an updated natural appearance with our nine most popular colour ways evoking tones of concrete and stone. Altro Multiscreed EP Naturals has improved performance and produces a high strength floor with exceptional abrasion and chemical resistance. With a nominal thickness of 4mm, it can be covered and laid to falls.

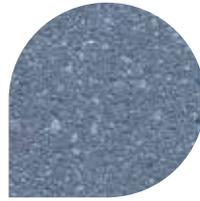
Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.



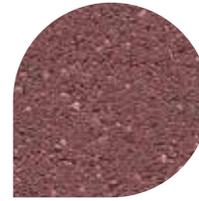
Bath Stone
LRV: 23



White Yorkstone
LRV: 40



Blue Basalt
LRV: 11



Red Sandstone
LRV: 9



Chicago Brownstone
LRV: 9



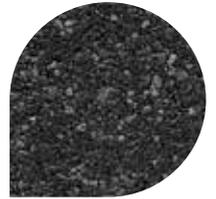
Ivory Soapstone
LRV: 41



Desert Fossilstone
LRV: 17



Silver Pumice
LRV: 18



Black Granite
LRV: 6



FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.

Pale colours may show some cosmetic discolouration on exposure to UV light.

Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value



Samples

If colour choice is critical, please request a sample of the material

☎ **01462 707 700**

✉ **samples@altro.com**





Southampton Bus Depot

AltroGrip™ EP

Typical applications:

**Motor vehicle garages and workshops.
Goods and storage.
Aircraft servicing. Defence.**

FeRFA type 4

AltroGrip EP is a floor that can handle itself. A modified flow-applied system incorporating 50-mesh aggregate, it provides excellent impact, abrasion and chemical resistance. This system is available in nominal thickness of 2mm, 4mm and 6mm, determined by the thickness of AltroFlow resin used in the foundation of the system. AltroGrip has 26 single colour options to broaden your colour horizons.

AltroGrip Quartz™ EP

Typical applications:

**Production - wet. Motor vehicle garages and workshops.
Mortuaries.**

FeRFA type 4

When you need a greater degree of slip-resistance, AltroGrip Quartz will stop you in your tracks. With 27 colours from the AltroScreed Quartz or AltroScreed Quartz Boutique ranges to hand, you can have any colour scheme from glowing Moonstone to deep Onyx. Added to an AltroFlow base to increase slip-resistance, AltroGrip Quartz is available in 2mm, 4mm and 6mm thicknesses and sealed with a clear epoxy.

See pages 136-137 for colour options.

Please see technical chart on pages 116-117 for full details.
For technical lay-up drawing see pages 144-145.

AltroGrip EP



FeRFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium-sulphate screeds to be suitable for overlayment with resin floor finishes.

Pale colours may show some cosmetic discolouration on exposure to UV light.

Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resins may suffer chemical attack or staining. Please contact Altro for further information.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.



Samples

If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com



LRV = Light Reflectance Value



Wolfson College

AltroCrete PU Excel™

Typical applications:

**Food and drink. Pharmaceutical.
Metal fabrication. Vehicle workshops. Healthcare.
Bars. Cellars. Kitchens. Serveries.**

FeRFA type 8

AltroCrete PU Excel can handle the heat. It's a 6-8mm textured floor made for heavy duty areas of potential spillage and increased temperature range (-40°C to +120°C at 8mm). It has excellent resistance to impact and abrasion and to a wide range of chemicals including organic acids found in foodstuffs. With a high level of slip resistance, it's ideal for food and drink production areas and heavy industrial applications.

AltroCrete PU Fast-Track™

Typical applications:

**Food and drink. Pharmaceutical.
Metal fabrication. Vehicle workshops. Healthcare.
Bars. Cellars. Kitchens. Serveries.**

FeRFA type 8

If you need a strong floor but have a tough deadline, AltroCrete PU Fast-Track is the answer. With all the performance of AltroCrete PU Excel, it has the added benefit of a rapid overnight cure. It won't slow you down.

AltroFlow™ PUM

Typical applications:

**Food and drink. Laboratories. Clean rooms.
Metal fabrication. Vehicle workshops.**

FeRFA type 7

AltroFlow PUM is a smooth operator. A medium duty 2-4mm flow applied, smooth surface, with a matt finish, it has a degree of slip resistance. It's ideal for process areas and general industrial environments that are predominantly dry, such as aviation or engineering.

AltroGrip™ PU

Typical applications:

**Wet production areas. Healthcare-mortuaries.
Chemical industries. Food and drink.**

FeRFA type 4

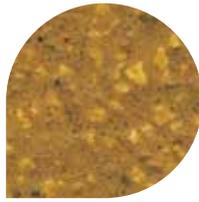
The best of both worlds. This multi-layer system combines the self-smoothing properties of AltroFlow PUM and the chemical resistance of AltroCrete, with a hard wearing slip resistance.

Please see technical chart on pages 116-117 for full details. For technical lay-up drawing see pages 144-145.

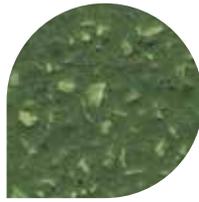
AltroCrete PU Excel colour chart



Magma
LRV: 12



Ochre
LRV: 23



Forest
LRV: 12



Zinc
LRV: 19

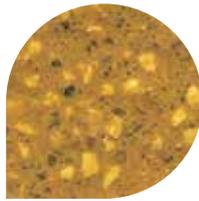


Coal
LRV: 10

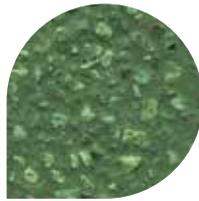
AltroCrete PU Fast Track colour chart - rapid cure



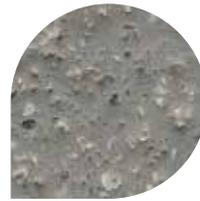
Brick Red
LRV: 12



Saffron
LRV: 23



Meadow Green
LRV: 12



Silver Grey
LRV: 19

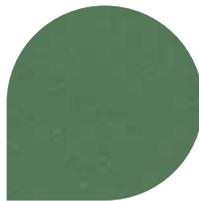
AltroFlow PUM and AltroGrip PU colour chart



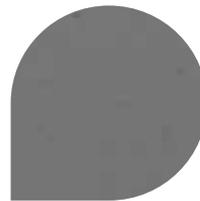
Magma
LRV: 8



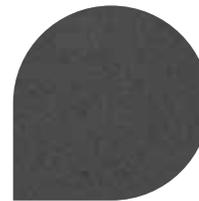
Ochre
LRV: 20



Forest
LRV: 10



Zinc
LRV: 15



Coal
LRV: 9



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Please consult Altro for chemical resistance details.

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LRV = Light Reflectance Value



Samples

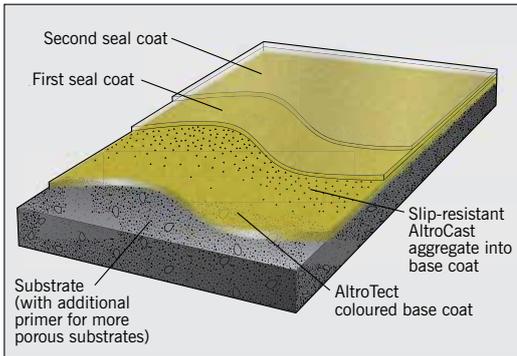
If colour choice is critical, please request a sample of the material

01462 707 700

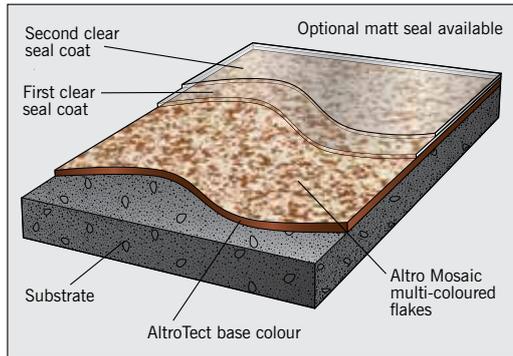
samples@altro.com



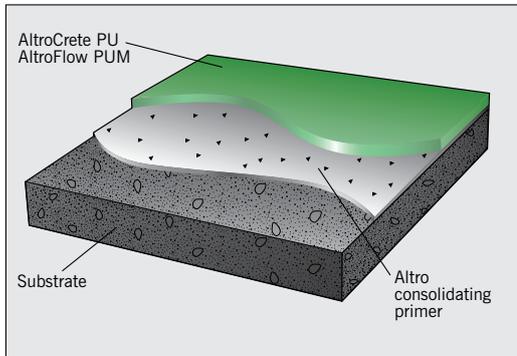
Technical lay-up drawings



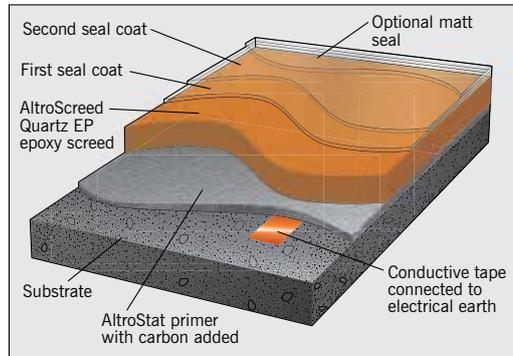
AltroCast™



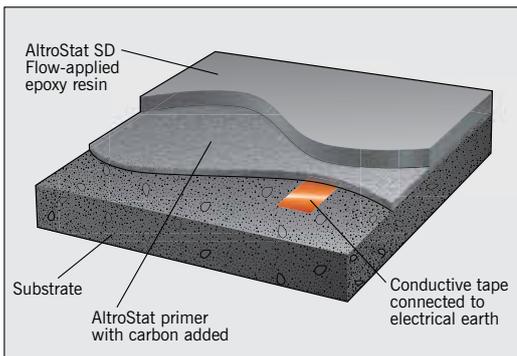
Altro Mosaic™



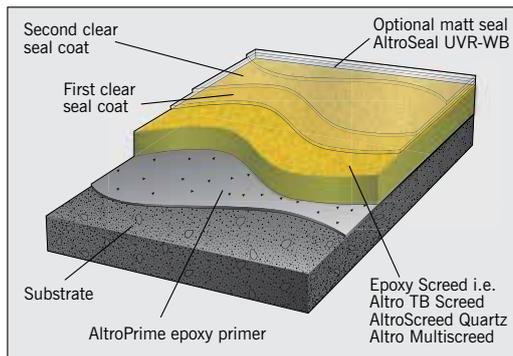
Altro PU System - AltroCrete PU Excel™ / AltroFlow™ PUM / AltroCrete PU Fast-Track™



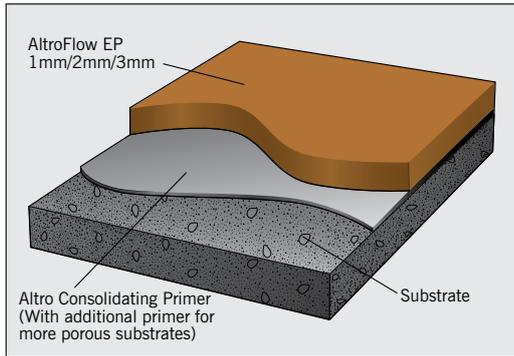
AltroScreed Quartz™ EP SD



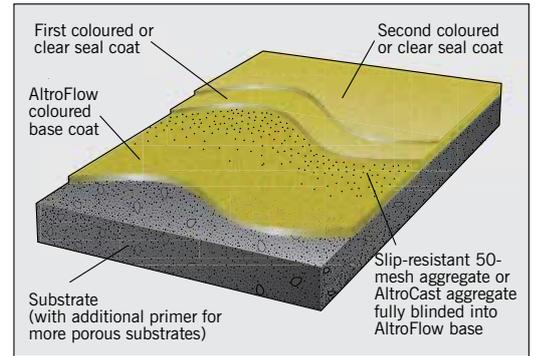
AltroStat™ SD



Epoxy Screeds - Altro TB Screed™ / AltroScreed Quartz™ EP / AltroScreed Quartz Boutique™ / AltroScreed Quartz Rapicure™ / Altro Multiscreed™ EP Naturals



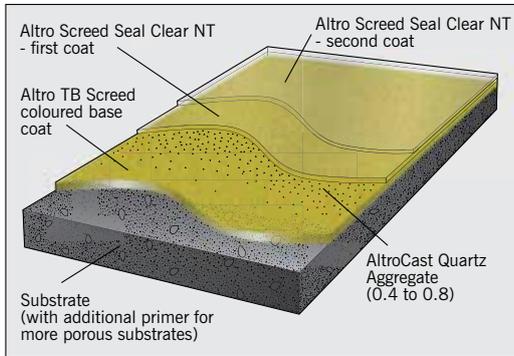
Flow Applied - AltroFlow™ EP



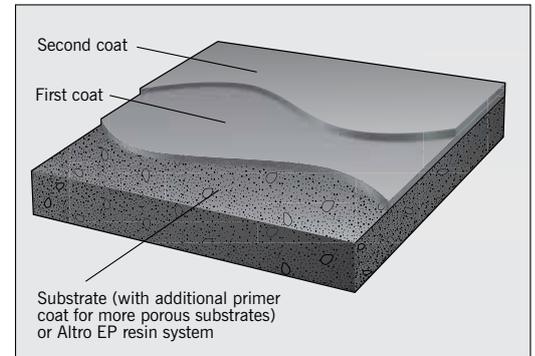
Grip Systems -

AltroGrip™ / AltroGrip Quartz™

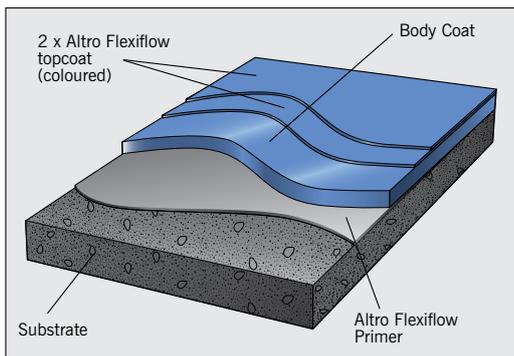
AltroGrip™ PU - as above but with one coloured seal coat



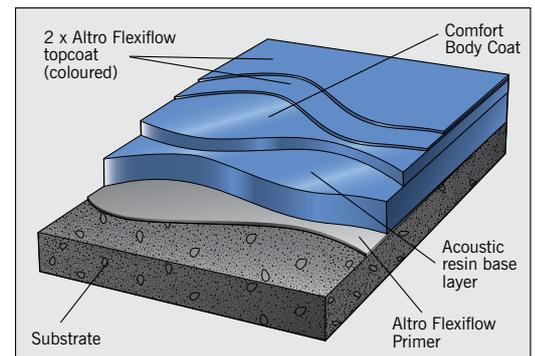
Altro TB+Cast™



Coatings - AltroSeal™ / AltroCoat™ / AltroShield™ SF / AltroTect™



Altro Flexiflow™ standard and comfort options



Altro Flexiflow™ acoustic option

Vertical systems and support products

A tough environment calls for a strong finish. The following range of Altro resin finishes can be applied to walls to provide solutions for many challenging situations, where more commonly used wall surfaces will not provide the required performance.

AltroSeal UVR

AltroSeal UVR won't fade away. A twin-pack, solvent-based polyurethane, chemically and UV resistant coating for improved colour stability in light colours, although additional coats may be required over darker substrates. For colour options see page 119.

AltroCoat V

When you don't have time to wait for your substrate to dry, AltroCoat V can help. It is a twin-pack epoxy, water miscible, moisture tolerant epoxy resin with low odour / taint. This epoxy coating offers the ability to be applied to damp substrates. A coating of moderate thickness and silk finish, this will provide a durable wall coating, but please note the substrate texture will not be obliterated and additional coats will be required for light colours (NB white should not be used as a final coat, see note regarding UV discolouration). For colour options see page 119.

AltroTect V

A twin-pack, solvent-free, low taint, high-build epoxy coating for greater hiding power and a gloss finish. A matt surface seal may be added if required. (NB white should not be used as a final coat, see note regarding UV discolouration). For colour options see page 121.

Altro Mosaic

Altro Mosaic gives a decorative multi-layer finish that can be applied to walls and / or floors. Offering two slightly different textures, one a vibrant and glossy finish, the other a subtle glazed matt appearance. For colour options see page 125.

Altro TB Screed

For a versatile finish, Altro TB Screed provides a 3mm thick, trowel applied epoxy screed. This decorative and coveable product can be laid to floors and / or applied to walls for a heavy-duty, easy-clean surface in silk or matt finish. For colour options see page 133.

Installation of a floor from the base concrete slab to the final wearing surface will often demand products to create cement-based screeds of sufficient strength, substrate, patching of eroded substrates and the ability to fill substrate movement joints with a strong, but flexible medium. The products listed fulfil those associated requirements to allow a comprehensive and detailed specification with a single-point material warranties.

AltroExpand™

AltroExpand can stretch to your needs. It is a two part, chemically resistant, epoxy flexible jointing compound, specifically designed for industrial flooring. AltroExpand accommodates normal thermal and vibration movement whilst providing sufficient strength to protect joints from damage and erosion. Typical applications include movement joints in old and new floors in factories, warehouses, workshops, hangers, etc. AltroExpand can be laid on a variety of substrates, including concrete, granolithic, stone, terrazzo, brick and timber.

Product range:

AltroExpand: Pourable

AltroExpand W: Thixotropic

AltroPol™

AltroPol™ supports our range of floor finishes. It is used for the polymer modification of cementitious systems and is designed to enhance the physical properties of cement based floor screeds and repair compounds, it improves flexural strength, impact and abrasion resistance.

Typical applications include thin section floor screeds, smoothing screeds to even out the surface of damaged or tamped finish concrete, levelling screeds to receive other finishes, screeds of varying thickness to install falls for drainage purposes or heavy duty wearing screeds with high impact resistance.

AltroPatch UFC™

AltroPatch UFC™ smooths over the rough edges. It is a two-part, rapid curing epoxy repair mortar, used to make good, fill voids or adjust surface levels, prior to the installation of a resin surface finish.



Resin floor classifications

The Federation of Resin Formulators and Applicators (FeRFA) has produced a classification system to help you compare resin products from different sources. Our resins are classified in accordance with this system.



The Federation of Resin Formulators and Applicators resin flooring classification

Type	Name	Description	Duty	Typical thickness
1	Floor seal	Applied in two or more coats. Generally solvent or water borne.	LD	up to 150µm
2	Floor coating	Applied in two or more coats. Generally solvent-free.	LD / MD	150µm to 300µm
3	High build floor coating	Applied in two or more coats. Generally solvent-free.	MD	300µm to 1000µm
4	Multi-layer flooring	Aggregate dressed systems based on multiple layers of floor coatings or flow-applied floorings, often described as 'sandwich' systems.	MD / HD	>2mm
5	Flow applied flooring	Often referred to as 'self-smoothing' or 'self-levelling' flooring and having a smooth surface.	MD / HD	2mm to 3mm
6	Resin screed flooring	Trowel-finished, heavily filled systems, generally incorporating a surface seal coat to minimise porosity.	MD / HD	>4mm
7	Heavy duty flowable flooring	Having a smooth surface.	HD / VHD	4mm to 6mm
8	Heavy duty resin flooring	Trowel-finished, aggregate filled systems, effectively impervious throughout their thickness.	VHD	>6mm

Light Duty (LD) - light foot traffic, occasional rubber tyred vehicles

Heavy Duty (HD) - constant fork lift truck traffic, hard plastic wheeled trolleys, some impact

Medium Duty (MD) - regular foot traffic, frequent fork truck traffic, occasional hard plastic wheeled trolleys

Very Heavy Duty (VHD) - severe heavily loaded traffic and impact

Static dissipative

Typical applications:

Electronics and static control environments. Laboratories.
Chemical processing. Pharmaceutical.
Electronic assembly. Telecommunications.
Areas requiring a floor covering with static dissipative properties.

Resin flooring

Altro static dissipative resin systems provide safe conditions for potentially hazardous or electronically sensitive environments, with all the performance benefits of epoxy resin flooring. These surfaces are often installed over a perimeter ring (or grid) of conductive tape which can be connected to electrical earth, to control the passage of electrostatic charge.

AltroStat™ SD: BS 2050 industrial **FeFRA type 5**

When safety is a priority, AltroStat SD can keep things under control. A solvent-free, flow applied 3mm epoxy resin, it provides static control for potentially hazardous or electronically sensitive equipment. Use on prepared substrates treated with AltroStat primer. Available in 26 colours with a smooth gloss finish.

AltroScreed Quartz™ EP SD: to BS2050 **FeRFA type 6**

When you need control and safety, AltroScreed Quartz EP SD delivers. It is a solvent-free dissipative 4mm screed, with multi-colour aggregate to provide surface texture with slip resistance. Also used in conjunction with AltroStat primer.

Safety flooring

Altro Walkway 20 SD: EN1081/EN1815

When tested to BS2050 1978 method A4.1, a surface resistivity of less than 2×10^7 ohms.



Network Rail

AltroStat SD Resin colour chart



AltroScreed Quartz EP SD colour chart



Altro Walkway 20 SD colour chart

i FerFA (The Resin Association) do not consider anhydrite, hemi-hydrate and calcium sulphate screeds to be suitable for overlayment with resin floor finishes.

Other colours may be made to order, lead time and charges may apply.

UVR technology reduces the effect of UV light on long-term colour stability; however, pale colours may show some cosmetic discolouration on exposure to UV light. Please consult Altro for chemical resistance details.

Altro resin products provide a tough and practical solution. However, as with most industrial and commercial flooring, in some situations resin may suffer chemical attack or staining particularly on premature or prolonged contact with chemicals including water.

Altro resins are specifically designed for use in industrial and commercial environments and perform well in these areas. However, Altro do not promote resin products for use in domestic applications, on-site support is not available for such installations.

LRV = Light Reflectance Value

Samples
If colour choice is critical, please request a sample of the material

☎ 01462 707 700

✉ samples@altro.com



Introduction to Altro smooth flooring

Smooth flooring gives you what you want - an attractive look that's easy to install. Ideal equally for the office and high street environments, it creates the background for a high spec design. Altro smooth flooring gives you good looks, durability and hygienic properties making it ideal for everyday workspaces.

Altro smooth flooring comes in a variety of colours including wood-look design for a warm and inviting environment.

Smooth flooring in brief:

- hygienic
- easy to install
- easy to maintain
- flexible
- retains appearance
- attractive finish
- acoustic options
- looks great with Altro safety flooring and wall cladding





University of British Columbia

Altro Wood Smooth™

Typical applications:

Care homes. Hospital. Hospitality. Education. Retail.

This attractive wood-look smooth flooring gives an easy to maintain surface, perfect for areas where aesthetics are the priority. Altro Wood Smooth shares the same palette with all the Altro Wood collection ranges, allowing you to benefit from the sustained slip resistance of Altro Wood Safety or the sound reduction of Altro Wood Smooth Acoustic. It can be welded to provide a hygienic surface, making it ideal for areas where infection control and high standards of cleanliness are required.



We strongly recommend carrying out a risk assessment in any area in which the installation of smooth flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.



Matches:

- Altro Wood Safety
- Altro Wood Smooth Acoustic

For guidance on matching types of flooring see pages 104-105.



Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Smooth Vinyl Flooring, full details available at www.thegreenguide.org.uk





Flaxen Oak
WSM2054 LRV: 38
WR338 / A1M27



White Oak
WSM2051 LRV: 52
WR335 / A1M335



Light Maple
WSM2055 LRV: 24
WR339 / A1M339



Warm Beech
WSM2058 LRV: 36
WR342 / A1M224



Pale Cherry
WSM2052 LRV: 22
WR336 / A1M239



Classic Cherry
WSM2053 LRV: 17
WR337 / A1M337



Mellow Oak
WSM2056 LRV: 37
WR340 / A1M340



Mid Walnut
WSM2057 LRV: 15
WR341 / A1M160



Mature Oak
WSM2062 LRV: 8
WR346 / A1M62



Mature Walnut
WSM2061 LRV: 6
WR345 / A1M62



Rich Cherry
WSM2059 LRV: 15
WR343 / A1M246



Red Maple
WSM2060 LRV: 10
WR344 / A1M41



Victorian Oak
WSM2070 LRV: 10
WR227 / A1M227



Black Oak
WSM2064 LRV: 7
WR348 / A1M200



Greyed Oak
WSM2063 LRV: 38
WR347 / A1M200



Forest Oak
WSM2069 LRV: 25
WR353 / A1M225



i For an unobtrusive appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

LRV: Light Reflectance Value



Dimensions 2m x 20m
Format ROLL
Thickness 2mm

Samples
If colour choice is critical, please request a sample of the material
01462 707 700
samples@altro.com



Altro Wood Smooth Acoustic™

Typical applications:

**Student accommodation. Education. Care homes.
Government buildings. Social housing.**

Altro Wood Smooth Acoustic provides all the aesthetic qualities of Altro Wood Smooth. It also offers noise reduction with sound absorption of 18dB. It is perfect for environments where sound reduction will improve the wellbeing of your users in potentially noisy places like halls of residence!



We strongly recommend carrying out a risk assessment in any area in which the installation of smooth flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.



Matches:

- **Altro Wood Safety**
- **Altro Wood Smooth**

For guidance on matching types of flooring see pages 104-105.



Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Smooth Vinyl Flooring, full details available at www.thegreenguide.org.uk





Lull
 WSMA3782 LRV: 15
 WR341 / A1M160



Haven
 WSMA3783 LRV: 36
 WR342 / A1M224



Hush
 WSMA3781 LRV: 38
 WR338 / A1M27



Karma
 WSMA3784 LRV: 15
 WR343 / A1M246



i For an unobtrusive appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

LRV: Light Reflectance Value



Dimensions 2m x 20m
Format ROLL
Thickness 3.7mm

Samples
 If colour choice is critical, please request a sample of the material
 ☎ **01462 707 700**
 ✉ **samples@altro.com**

Altro Zodiac Smooth™

Typical applications:

Care homes. Children's hospitals. Clinics. Student accommodation. School classrooms and corridors. Galleries. Retail. Offices.

Altro Zodiac Smooth is a bit of a looker, but it's not just a pretty face. It also provides an adaptable design that works anywhere and hits the mark on durability. It's great in large areas, from care homes to student accommodation. Altro Zodiac Smooth comes in a range of 24 colours, chosen to reflect your mood: warm, cool, neutral or vibrant. So express your true colours.

It is easy to maintain and can be welded to provide a hygienic surface, making it ideal for areas where infection control and high standards of cleanliness are required.



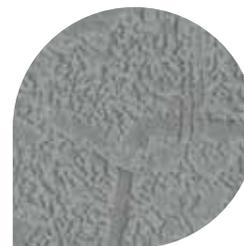
Worcester Royal Hospital MLU



Hologram
ZD2001 LRV: 57
WR311 / A1M200



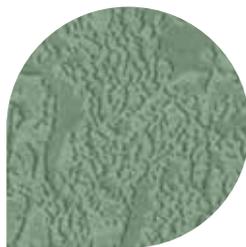
Zenith
ZD2002 LRV: 43
WR312 / A1M79



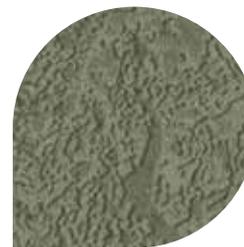
Comet
ZD2003 LRV: 33
WR313 / A1M200



Capricorn
ZD2004 LRV: 10
WR314 / A1M200



Nirvana
ZD2014 LRV: 33
WR324 / A1M200



Cosmos
ZD2015 LRV: 24
WR325 / A1M200



Gravity
ZD2005 LRV: 6
WR315 / A1M200

! We strongly recommend carrying out a risk assessment in any area in which the installation of smooth flooring is considered, focusing on the potential risk posed by contaminants from spillages. See www.altro.co.uk/safety for more information.

! Looks great with:

- **Altro Whiterock**
- **Altro Suprema**

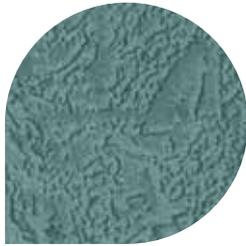
! Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Smooth Vinyl Flooring, full details available at www.thegreenguide.org.uk

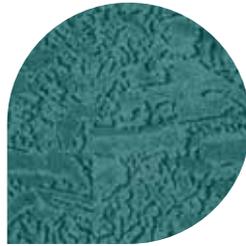




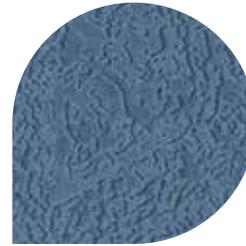
Vision
ZD2013 LRV: 29
WR323 / A1M200



Pisces
ZD2009 LRV: 23
WR319 / A1M200



Voyage
ZD2010 LRV: 17
WR320 / A1M200



Libra
ZD2008 LRV: 19
WR318 / A1M71



Utopia
ZD2006 LRV: 66
WR316 / A1M200



Terrain
ZD2012 LRV: 17
WR322 / A1M239



Apex
ZD2011 LRV: 31
WR321 / A1M20



Planet
ZD2019 LRV: 42
WR329 / A1M247



Celestial
ZD2018 LRV: 65
WR328 / A1M11



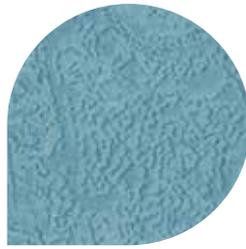
Aries
ZD2020 LRV: 12
WR330 / A1M41



Flare
ZD2022 LRV: 14
WR332 / A1M200



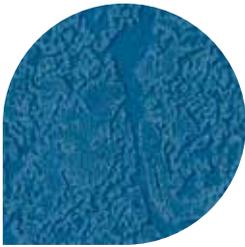
Solar
ZD2024 LRV: 44
WR334 / A1M200



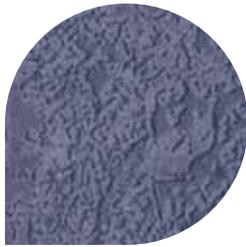
Oxygen
ZD2007 LRV: 41
WR317 / A1M200



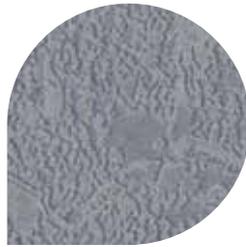
Aura
ZD2016 LRV: 39
WR326 / A1M200



Infinity
ZD2023 LRV: 16
WR333 / A1M200



Spectre
ZD2021 LRV: 16
WR331 / A1M134



Meteor
ZD2017 LRV: 33
WR327 / A1M200



i For an unobtrusive appearance, colour matched **Weldrods (WR)** and **Mastics (A1M)** are available. You'll find their product codes under the relevant swatches.

LRV: Light Reflectance Value



Dimensions 2m x 20m
Format ROLL
Thickness 2mm

Samples
If colour choice is critical, please request a sample of the material
01462 707 700
samples@altro.com

Introduction to Altro rubber flooring

Soft, supple and tough. Rubber is strong and resilient, but also comfortable underfoot. Altro Nuvola rubber flooring can resist bumps and scrapes and retain an attractive finish, making it an extremely cost-effective choice.

Offering 13 colour options in chipped or studded designs, it gives you a hard-wearing and striking finish. It is perfect for sports halls, leisure centres and other heavy-duty applications, or in environments subjected to constant foot traffic such as in schools, libraries, offices and retail establishments. It can calm down a noisy environment and create a warm atmosphere.

Rubber flooring in brief:

- hard wearing
- hygienic
- sound absorbent
- comfortable underfoot
- flexible and resilient
- easy maintenance
- retains appearance
- attractive finish





Altro Nuvola Cirrus™

Typical applications:

Walkways. Stairwells. Lifts. Dry play areas. Offices. Retail Libraries. Public buildings.

Altro Nuvola Cirrus is a comfortable fit. Its chipped design flooring with subtle background colours and smooth finish can tone down noisy environments such as play areas, public buildings and offices. It also gives the long lasting durability you would expect from Altro rubber flooring.

Altro Nuvola Cirrus provides a hygienic, seamless surface. It has been specifically designed to co-ordinate with Altro safety flooring ranges, allowing you to install it adjacent to areas where slip resistance is required.



We strongly recommend carrying out a risk assessment in any area in which the installation of rubber flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



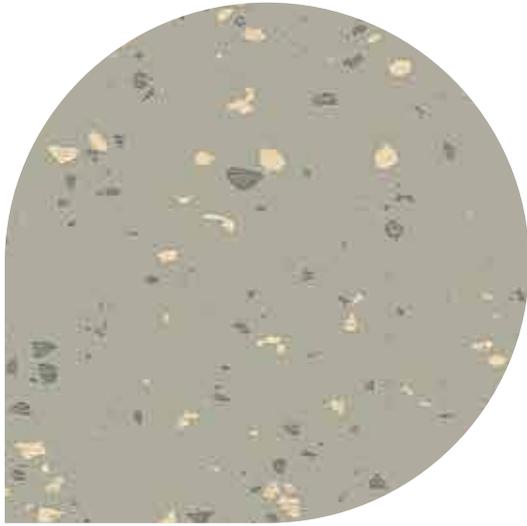
Matches:

- **Altro Unity 25**
- **Altro Walkway 20**
- **Altro XpressLay**

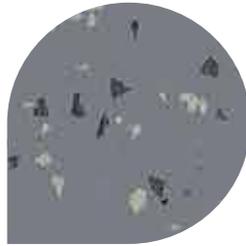


Contributes to reducing the environmental impact of your specification:

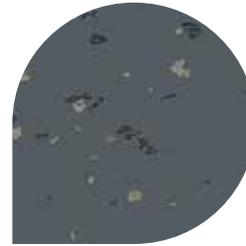
- A+ BRE Generic Green Guide Rating for Rubber Flooring, full details available at www.thegreenguide.org.uk



Lace
ANC2002 LRV: 42
 AWR002



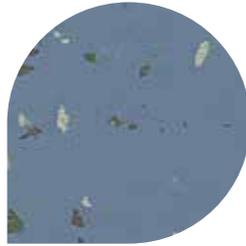
Moat
ANC2004 LRV: 22
 AWR004



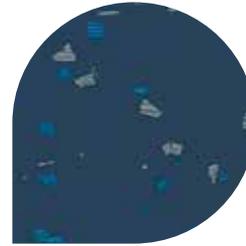
Smoulder
ANC2005 LRV: 14
 AWR005



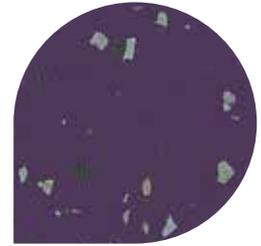
Panther
ANC2006 LRV: 6
 AWR006



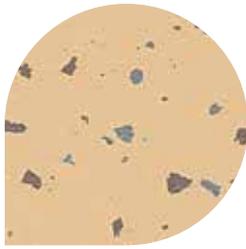
Powder
ANC2007 LRV: 23
 AWR007



Indigo
ANC2008 LRV: 10
 AWR008



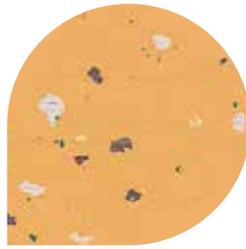
Ribbon
ANC2014 LRV: 9
 AWR014



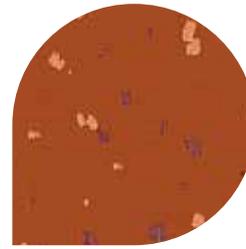
Wicker
ANC2011 LRV: 53
 AWR011



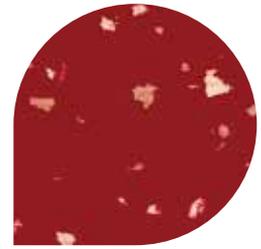
Mouse
ANC2001 LRV: 26
 AWR001



Saffron
ANC2015 LRV: 44
 AWR015



Spice
ANC2010 LRV: 14
 AWR010



Ruby
ANC2009 LRV: 10
 AWR009



Ivy
ANC2012 LRV: 16
 AWR012



i For a co-ordinated appearance, colour matched **Weldrods (AWR)** are available. You'll find their product codes under the relevant swatches.

LRV: Light Reflectance Value



Dimensions 1.9m x 14m
Format ROLL
Thickness 2mm

Samples
 If colour choice is critical, please request a sample of the material
 ☎ **01462 707 700**
 ✉ **samples@altro.com**



North Hertfordshire College

Altro Nuvola Stratus™

Typical applications:

**Walkways. Stairwells. Lifts. Dry play areas. School. Exhibition halls
Retail. Showrooms. Waiting rooms.**

This range of studded, resilient rubber flooring creates a beautiful and versatile interior environment. With colours from classy Chateau to shout out loud Tomato, Altro Nuvola Stratus provides cushioned comfort underfoot and noise reduction. The stud design doesn't let dirt hide, making it easy to clean and maintain. Altro Nuvola Stratus provides the hard-wearing flooring solution that fits right into busy areas and environments used for intense physical activity.



We strongly recommend carrying out a risk assessment in any area in which the installation of rubber flooring is considered, focusing on the potential risk posed by contaminants from spillages.

See www.altro.co.uk/safety for more information.



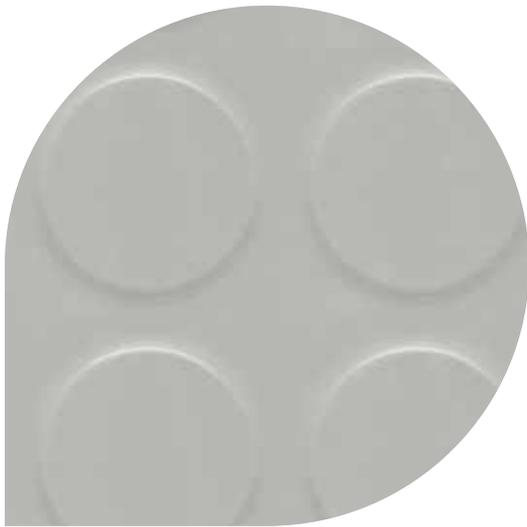
Matches:

- Altro Unity 25
- Altro Walkway 20
- Altro XpressLay



Contributes to reducing the environmental impact of your specification:

- A+ BRE Generic Green Guide Rating for Rubber Flooring, full details available at www.thegreenguide.org.uk



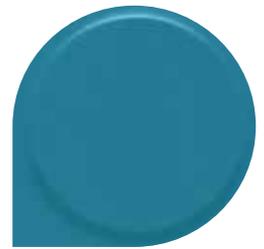
Pearl
ANS2750007
LRV: 45



Gravel
ANS2750008
LRV: 20



Graphite
ANS2750010
LRV: 7



Peacock
ANS2750004
LRV: 18



Charcoal
ANS2750009
LRV: 11



Orca
ANS2750006
LRV: 5



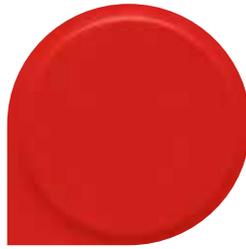
Sapphire
ANS2750012
LRV: 8



Mustard
ANS2750003
LRV: 37



Orange
ANS2750002
LRV: 26



Tomato
ANS2750001
LRV: 14



Chateau
ANS2750011
LRV: 21



Parsley
ANS2750005
LRV: 12



Crocus
ANS2750013
LRV: 9



Dimensions 500mm x 500mm
Format TILE
Thickness 2.7mm



Samples

If colour choice is critical, please request a sample of the material

☎ **01462 707 700**

✉ **samples@altro.com**

Subfloors

AltroPol™

AltroPol is used for the polymer modification of cementitious systems and supports our range of floor finishes. Designed to enhance the physical properties of cement based floor screeds and repair compounds, it improves flexural strength, impact and abrasion resistance.

Typical applications include thin section floor screeds, smoothing screeds to even out the surface of damaged or tamped finish concrete, levelling screeds to receive other finishes, screeds of varying thickness to install falls for drainage purposes or heavy duty wearing screeds with high impact resistance.

AltroPol is supplied as a white mobile liquid. It is readily diluted with water and then used to gauge the screed mixture of cement and aggregates to provide the desired performance and characteristics.



Screed thickness:

The minimum recommended screed design thickness using AltroPol in the mix is as follows:

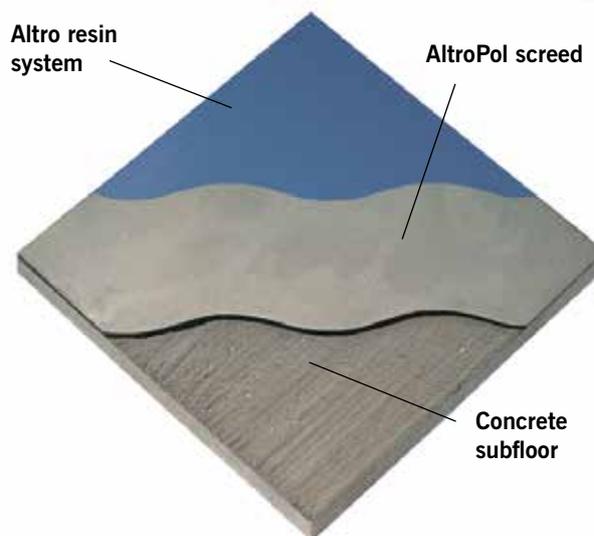
- 6mm epoxy, slurry bonded
- 50mm unbonded
- 75mm floating

How to use it:

- thin section floor screeds
- to carry out the repairs to the surface of damaged or tamped finish concrete
- base to receive resilient floor coverings and resin finishes
- screeds of varying thickness to install falls for drainage purposes
- patching of worn or damaged concrete

Benefits:

- faster curing to allow early overlayment
- greatly reduced drying time
- easy to use single component, gauged as required
- thinner screeds with excellent durability and impact resistance
- superb adhesion, maintained even in wet conditions
- integral antifoam so no additions on site are necessary



Altro XpressLay safety flooring may be laid over new concrete floors with up to 97% relative humidity or in areas subject to damp. See pages 92-95 for more details.



AltroProof Solo™

How's this for a real problem solver? AltroProof Solo Universal and AltroProof Solo Fast Track are damp-proof membranes that offer protection in up to 97% relative humidity, suppressing residual construction moisture. This allows for early installation of floor coverings / coatings in fast-track building operations, and makes them ideal for fast-track installation over green concrete and for refurbishment projects on existing substrates.

Quick and easy to apply, AltroProof Solo Universal and AltroProof Solo Fast Track have low viscosity and provide excellent adhesion. AltroProof Solo Fast Track has the added advantage of an extra-short curing cycle, saving time by enabling levelling / smoothing compounds to be laid on the same day.

Typically, Altro safety flooring, Altro smooth flooring and Altro rubber flooring are used in conjunction with a moisture tolerant levelling screed which can usually be applied on the same day. Suitable moisture tolerant smoothing compounds may be applied beneath AltroProof Solo and AltroProof Solo Fast Track.

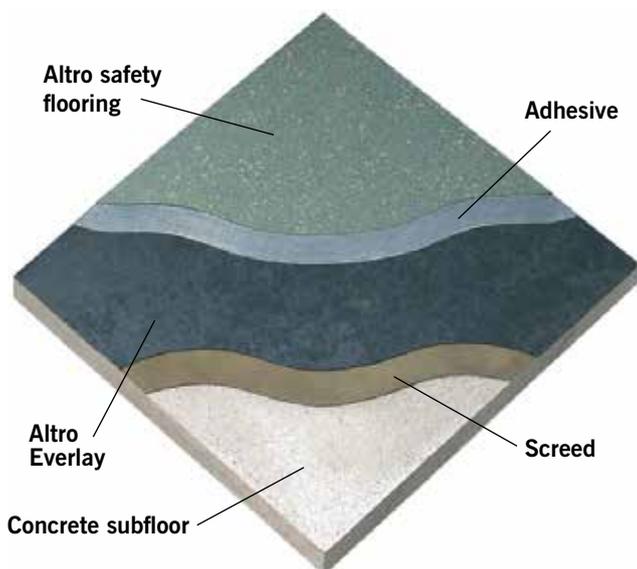
Altro safety flooring, Altro resins, Altro smooth flooring and Altro rubber flooring can be installed directly over AltroProof Solo, with the AltroProof Solo or AltroProof Solo Fast Track guarantee matching the product guarantee when installed as part of the Altro system.

Altro acoustic underlay 1101

When noise is a problem, Altro Acoustic Underlay 1101 will tone it down. Suitable for Altro safety, rubber and smooth flooring, we give you a wide range of product and colour options to create a quiet environment – even if you choose the loudest colours.

When tested in accordance with BS EN ISO 140-8-1997, the combined product meets the requirements of:

- approved Document E, Resistance To The Passage of Sound, July 2003, and
- BB93 Acoustic Design of Schools (min.requirement 17dB)



Altro Everlay™ underlayment

Provides damp-resistant, stabilised base and tolerates construction moisture up to 97% RH.

Typical areas where Altro Everlay may be used:

- temporary walkways or areas where substrate may need to be used later
- screed or slabs where construction moisture has not dried out
- areas where subfloor has been exposed to water spillage
- old subfloors which may not contain an adequate damp-proof membrane
- on metal access floor systems (subject to flushness of joints)
- over old, soundly fixed vinyl asbestos tiles or vinyl sheet
- to save time and cost instead of applying a surface damp-proof membrane
- on external areas where the subfloor is asphalt or damp concrete

When your subfloor is not up to scratch, Altro Everlay can sort it. It is designed to overcome problems encountered in laying sheet flooring over new or old subfloors, cutting time and cost.

Whether you have old tiles, damp subfloors or contamination from oil or paint, Altro Everlay can help you install the new floor you need. It can be laid over a variety of surfaces including sheet metal and access floors.

If noise is an issue, Altro Everlay B includes a sound absorbent, insulating layer to create a comfortable and quiet environment.

Altro Everlay:

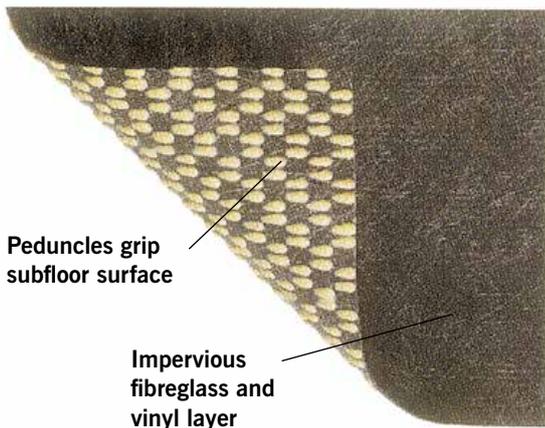
- provides a continuous base which is stabilised and resistant to damp
- cuts down laying time as it can reduce normal subfloor drying times
- allows for a new, temporary floor to be laid over an existing floor, without adhesive damage on uplifting
- affords tolerance to residual construction moisture, accommodating hygrometer readings of up to 97% RH or, on subfloors with no damp-proof membrane, of up to 92% RH



Priory Park Pavilion - using Altro Everlay

Altro Everlay A

Made of specially coated fibreglass, it is an underlay designed to enable the loose laying of Altro safety flooring, Altro rubber sheet materials and Altro smooth flooring. Available in 1.2mm thick sheets of 2m width, average length is 50m. The weight of the roll is 100kg.

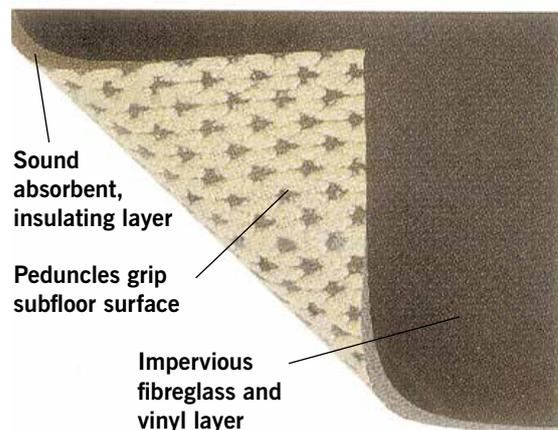


Altro Everlay B

When you need a tougher underlay with the added benefit of increased sound absorption and insulation. Altro Everlay B is a specially coated fibreglass sheet with a layer of resilient material. Available in 4mm thick sheets of 2m width, average length is 20m. The weight of the roll is 88kg.

Altro Everlay B has the added benefits of:

- giving underfoot softness and comfort to PVC sheet materials
- improving insulation
- improving sound absorption (20dB in accordance with ISO 140-8, when used in conjunction with Altro sheet material)



Flooring accessories

Altro adhesives	
AltroFix™ 15	For a good all-rounder, AltroFix 15 is suitable for all our flooring ranges, in areas not subject to spillage. A single-part high tack acrylic copolymer, it can be used with Altro safety flooring, Altro smooth flooring, Altro Nuvola Stratus 2.7mm tiles and Altro Nuvola Cirrus in light traffic areas.
Coverage Average	Approximately 35-40m ² per 12 kg unit, depending on the application and subfloor porosity.
AltroFix™ 19 Plus	AltroFix 19 Plus can handle the spills in life. It provides a solvent and water-free, two-part polyurethane adhesive that is not affected, once it has cured, by spillages of water and most other liquids. AltroFix 19 is supplied in 1.5 kg, 3 kg, and 6kg units in the correct quantities for mixing. Both A and B parts are held within the container. AltroFix 19 Plus can be used with all Altro safety flooring (in areas subject to spillages). AltroFix 19 Plus is also recommended for use with Altro materials which can be bonded to Altro Everlay™ underlayment.
Colour	Beige
Coverage Average	4 to 6 m ² /kg depending on porosity of the subfloor and trowel size.
AltroFix™ 41	For our Altro Nuvola rubber flooring range, a specially formulated two part resin adhesive in areas subject to spillages.
Coverage Average	Coverage 12-14m ² per 5 kg unit.
AltroFix™ 25NF	When you're in the fast lane, AltroFix™ 25NF will keep you on track. A contact adhesive, it enables the floor to be used immediately after laying. Ensure use in well-ventilated areas. Should always be used for coving and vertical surfaces.
Colour	Orange
Coverage Average	15m ² bonded area per 5 litre unit.
AltroFix™ 365	When you need a bond that lasts, AltroFix 365 won't let you down. A high tack acrylic adhesive that can be applied to dry porous and impervious surfaces. For use with Altro safety flooring and Altro smooth, in areas not subjected to spillage.
Colour	Blue
Coverage Average	Coverage 25-35m ² per 5 litre unit depending upon subfloor and method of application.

Safety flooring / recommended cleaning methods

Visit www.altro.co.uk/cleaning for cleaning and maintenance guidance.

Cleaners and dressings for Altro floors

AltroClean 44™	For general maintenance, an alkaline cleaner recommended for use with Altro safety flooring and Altro resin systems.
Availability	AltroClean 44 is sold in cases which contain either: 10 x 1l bottles or 4 x 5l bottles.
AltroClean 44+™	When you face a tough cleaning job, a concentrated alkaline cleaner recommended for use with Altro safety flooring in heavily soiled circumstances.
Availability	AltroClean 44+ is sold in cases which contain either: 10 x 1l bottles or 4 x 5l bottles.
AltroClean 48W™	A floor cleaner / maintainer for use with Altro Nuvola rubber and Altro smooth flooring. AltroClean 48W can also be used with Altro safety flooring where it is not required to provide maximum slip resistance. See note below.
Availability	AltroClean 48W is sold in cases which contain: 4 x 5l bottles.
AltroGloss 211™	A metallised emulsion which provides a wear and protection layer on Altro smooth vinyl and Altro rubber floorings. The application of AltroGloss 211 can aid the maintenance of the flooring but it should be noted that this will reduce the slip resistance. See note below.
Availability	AltroGloss 211 is sold in cases which contain: 4 x 5l bottles.
AltroMastic™ clean-up wipes	Easy to use clean-up wipes for the removal of excess mastic before it sets.
	Note: Failure to maintain Altro safety flooring in accordance with the recommended procedure can affect the performance and slip resistance of the product. Maintenance booklets are available from Altro or your local distributor.

Wall cladding accessories

Altro adhesives

<p>AltroFix™ W139</p> <p>Colour</p> <p>Coverage Average</p>	<p>AltroFix W139 is a two-part adhesive for use with all types of Altro PVCu wall cladding systems. It can be used in hygienic environments and areas subject to wet usage. It has excellent adhesion properties to all sound substrates used for internal wall construction. AltroFix W139 is supplied in 6.5kg and 8kg units.</p> <p>AltroFix W139 is suitable for porous and non-porous substrates or uneven substrate such as fairfaced brick or blockwork.</p> <p>Beige</p> <p>6.5 kg Unit – 1 x 2.5m sheet, 8 kg Unit – 1 x 3m sheet</p>
<p>AltroFix™ W157</p> <p>Colour</p> <p>Coverage Average</p>	<p>AltroFix W157 is a one-part adhesive for use with all types of Altro PVCu wall cladding systems. It can be used in hygienic environments but is not recommended for wet areas. It has excellent adhesion properties to all smooth, sound, porous substrates used for internal wall construction. AltroFix W157 is supplied in 3kg, 4kg and 12kg pack units.</p> <p>AltroFix W157 is not suitable for non-porous substrates or uneven substrate such as fairfaced brick or blockwork.</p> <p>Off-white</p> <p>3kg Unit - 1 x 2.5m sheet, 4kg Unit - 1 x 3m sheet, 12kg Unit - for 2.5m / 3m sheets</p>

This guide will assist specifiers and installers with the selection of appropriate Altro recommended adhesives. Technical data sheets are available for each adhesive along with Material

Safety Data Sheets (MSDS). If in any doubt, please consult Altro Technical Services Department.

	Flooring						Wall cladding	
	Porous			Non-porous			Porous	Non-porous
	Wood	Sand / cement screed, latex screed	Altro acoustic 1101	Altro Everlay	AltroProof Universal and Fast Track, Power floating, Asphalt, Metal***, Terrazzo	Covings	Porous substrate eg plasterboard, sand / cement render, blockwork	Non-porous substrate e.g. ceramic tiles, stainless steel, galvanised steel, insulated panels
Altro safety (Spills) **	A19 Plus	A19 Plus	A19 Plus	A19 Plus	A19 Plus	A25NF	-	-
Altro safety (No spills)	A365 or A15	A365 or A15	A365 or A15	A19 Plus	A365	A25NF	-	-
Altro Walkway 20 SD / Static Dissipative	Tremco 106	Tremco 106 or Balls F57	Contact Altro	Mapei G19C	Mapei G19C	A25NF	-	-
Altro smooth and acoustic	A365 or A15	A365 or A15	A365 or A15	-	A365	A25NF	-	-
Altro Nuvola Stratus and Altro Nuvola Cirrus (Heavy traffic or spills)	A41	A41	A41	A19 Plus (sheet only)	A41	A25NF	-	-
Altro Nuvola Stratus and Altro Nuvola Cirrus (Light / medium traffic, no spills)	A15	A15	A15	A19 Plus (sheet only)	Latex screed *	A25NF	-	-
Altro Whiterock and Altro Fortis	-	-	-	-	-	-	W157, W139	W139

* for adhesive recommendations, see latex screed column

** except Altro Wood Safety, Altro Wood Smooth and Altro Zodiac Smooth

*** for metal, please consult Altro Technical Services

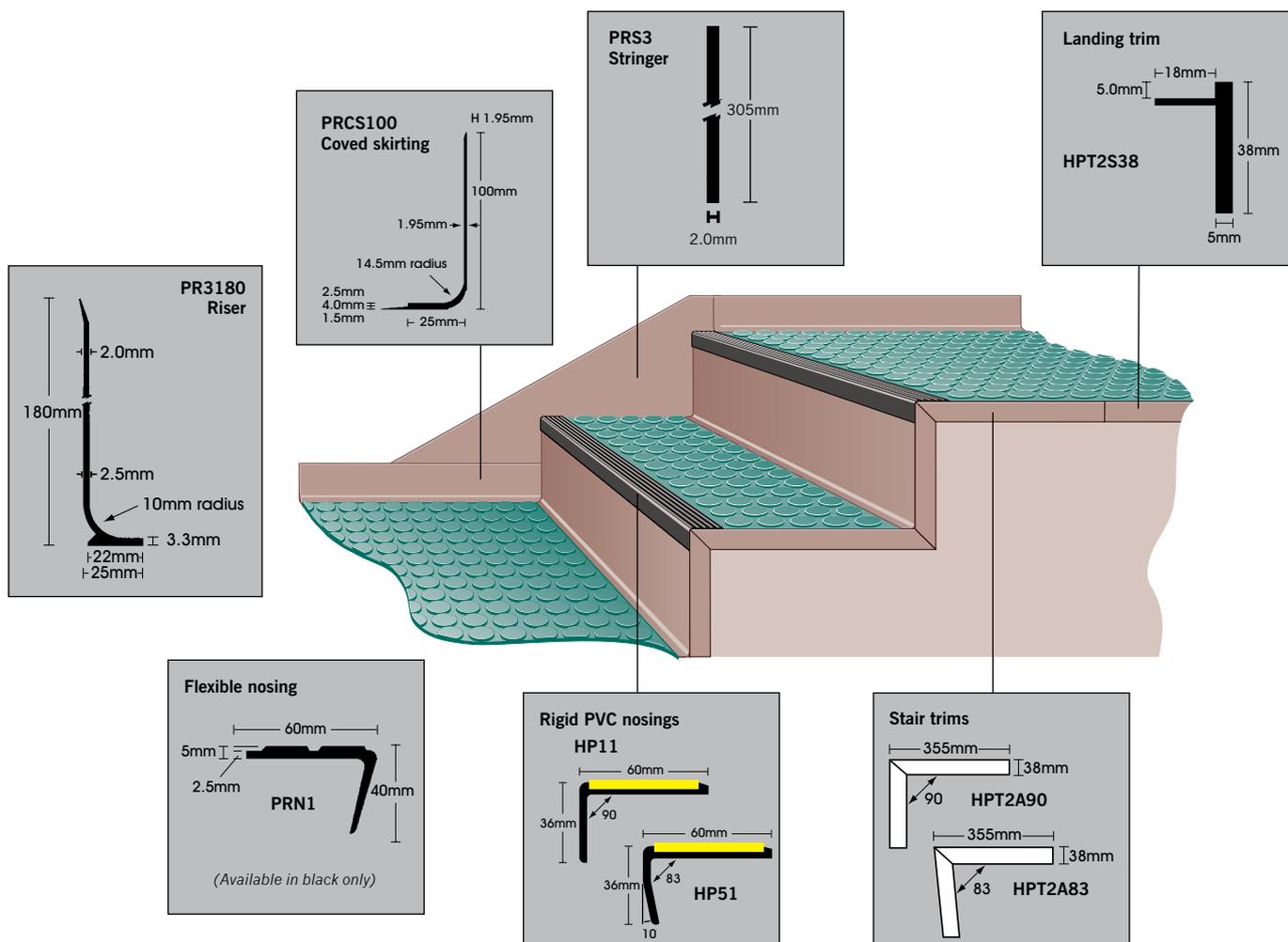
NB Adhesives stated are direct to the subfloor. With AltroFix 365 on impervious substrates, allow complete evaporation before laying.

Altro acoustic 1101 underlay - The same adhesive as quoted above should be used to bond both the underlay to the subfloor and floorcovering to the underlay.

Altro PVC stair nosings and accessories

For a perfectly colour coordinated installation, Altro PVC stair nosings and accessories can match your floors. They are constructed in impact resistant rigid and flexible PVC, to complement the Altro rubber flooring ranges. It is also compatible with Altro safety and smooth flooring.

As well as nosings and stair trim sections, accessories include matching riser and stringer sections, coved skirtings, stair and landing trims.



Coved skirtings



Black
208



Dove
001



White
WHT

Nosings



Black
208



Dove
001

Inserts only available in yellow.

Altro specifications

- SG 1041-02 ALTRO SAFETY VINYL
- 150 A PLASTICS FLOORING:
 - Location:
 - Base:.....
 - Preparation:.....
 - Fabricated underlay:
 - As clause
 - Flooring roll: **Homogeneous/Heterogeneous PVC to BS EN 649/BS EN 13845.**
 - Manufacturer and reference: Altro
 - safety floor by Altro, telephone 01462 707600
 - fax 01462 707610.
 - BS EN 685 class 43.
 - Width: **2000** mm
 - Thickness:mm
 - Colour:.....
 - Adhesive (and primer if recommended by manufacturer):..
 -
 - Seam welding: **Hot-welding with matching Altro Welding Rod, as clause 680A.**
 - Accessories:.....
 - Finishing:
 - Special requirements:

- 462 A SMOOTHING UNDERLAYMENT COMPOUND
- 531 A SURFACE DAMP-PROOF MEMBRANE
- 541 A SHEET EVERLAY
- 641 A ADHESIVE FIXING – ALTRO SHEET FLOORING
- 680 A SEAM WELDING
- 731 A SEALANT
- 770 A SET-IN COVERED SKIRTINGS
- 770 B SIT-ON COVERED SKIRTINGS
- 771 A SELF-COVERED SKIRTINGS
- 773 A JUNCTIONS BETWEEN SELF-COVERED SKIRTINGS AND DOOR FRAMES/ARCHITRAVE
- 780 A TRAFFIC
- 821 A FINISHING PLASTICS FLOORING
- 821 B FINISHING PLASTICS FLOORING

For NBS details visit www.altro.co.uk



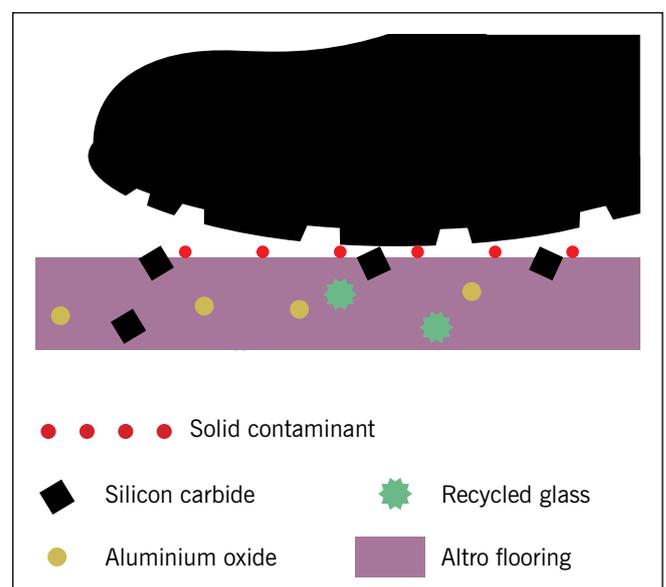
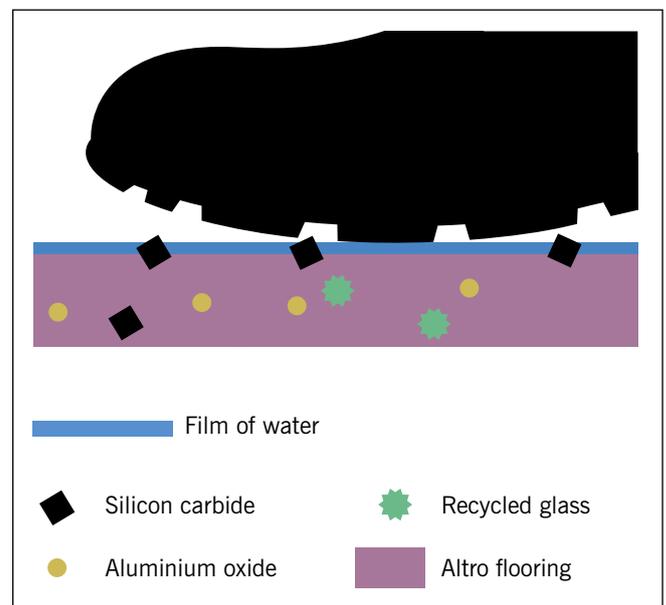
Altro Limited a company certified by SGS to ISO 9001 and ISO 14001



How vinyl safety flooring works

Wet contaminants on flooring create a film between the shoe and the floor. The most common wet contaminant is water, but it could be virtually anything. The film created by the wet contaminant prevents complete contact between a shoe and the floor and can result in a slip or fall. Safety flooring works by incorporating aggregates into a wear layer, which, providing they are sufficient in number and quality, penetrate the film to provide contact with the shoe.

A wet film needs only to be 1-2 μm thick to prevent complete contact between a shoe and the flooring. That's about one tenth the thickness of a human hair.



Remember

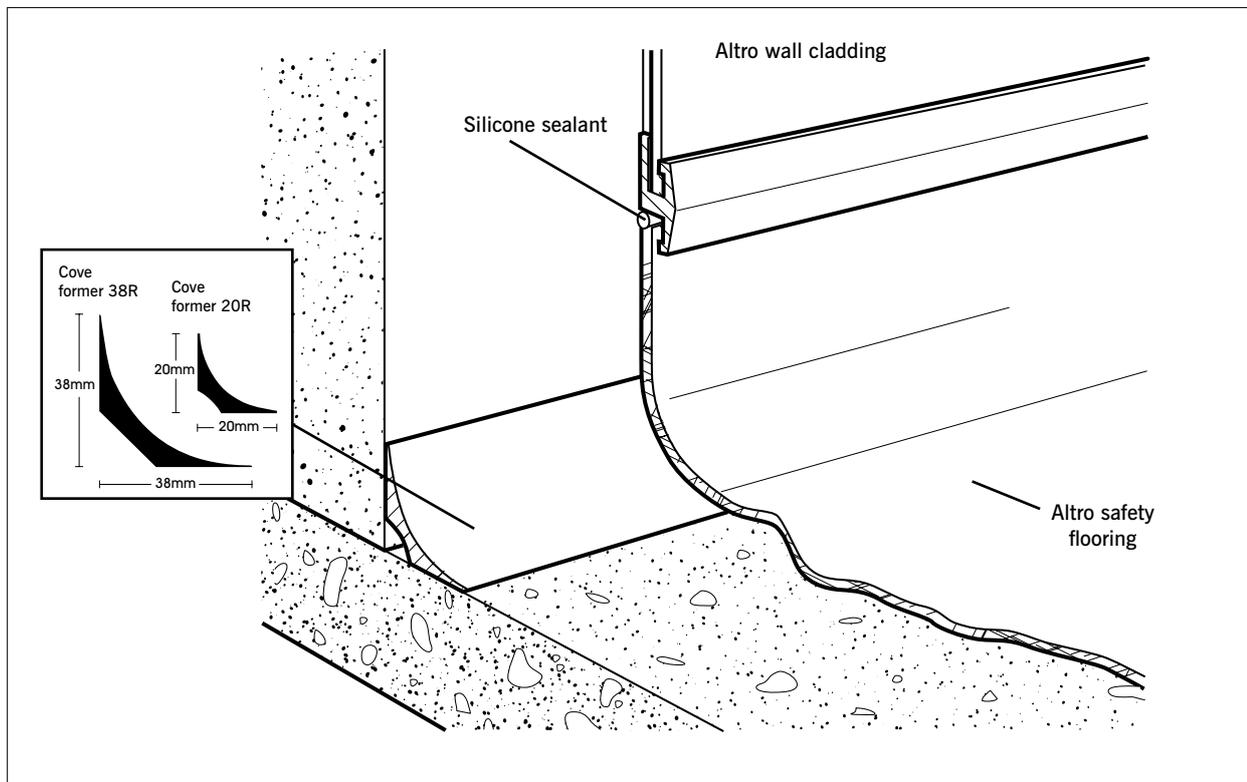
- It only takes 1-2 μm of wet film to cause a slip or fall
- The aggregates in safety flooring penetrate the wet film or the dry contaminants to prevent a slip or fall



Safety flooring

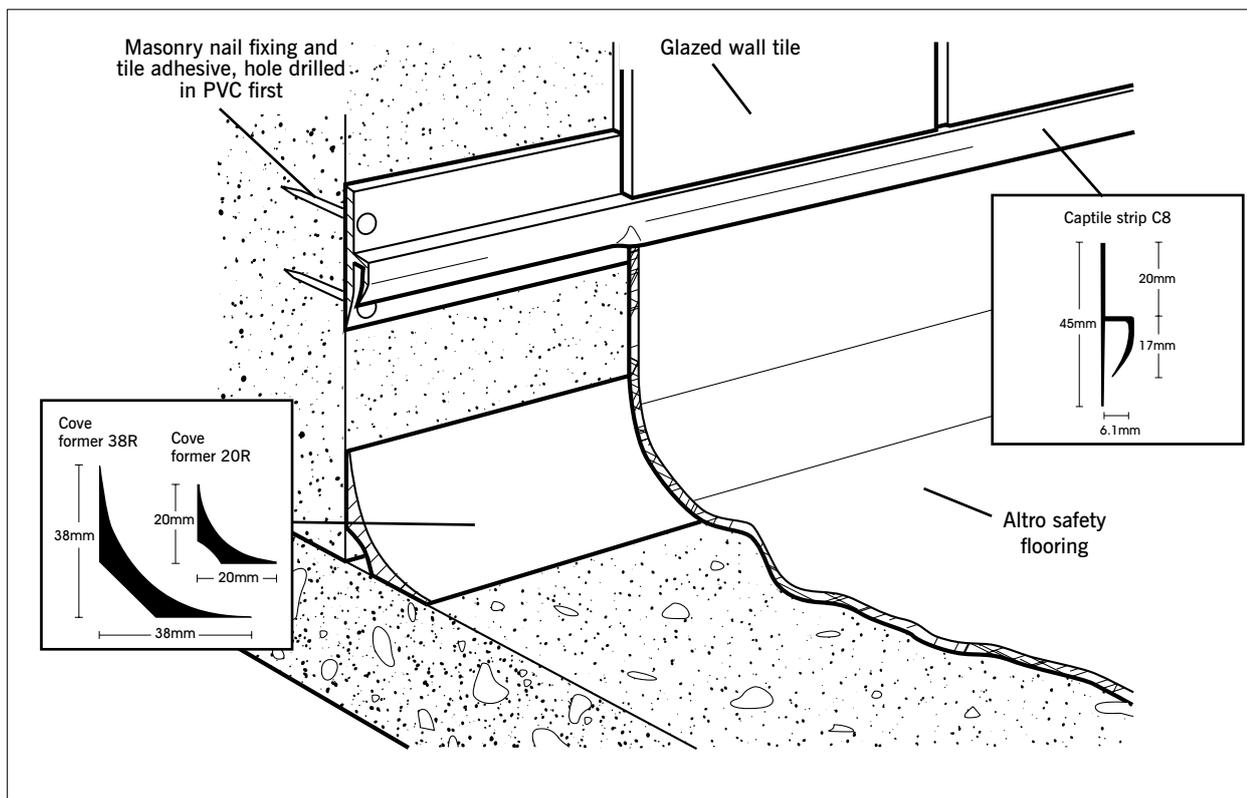
Self-covered with cove former to Altro wall cladding semi-rigid PVCu sheet

D8/03/05



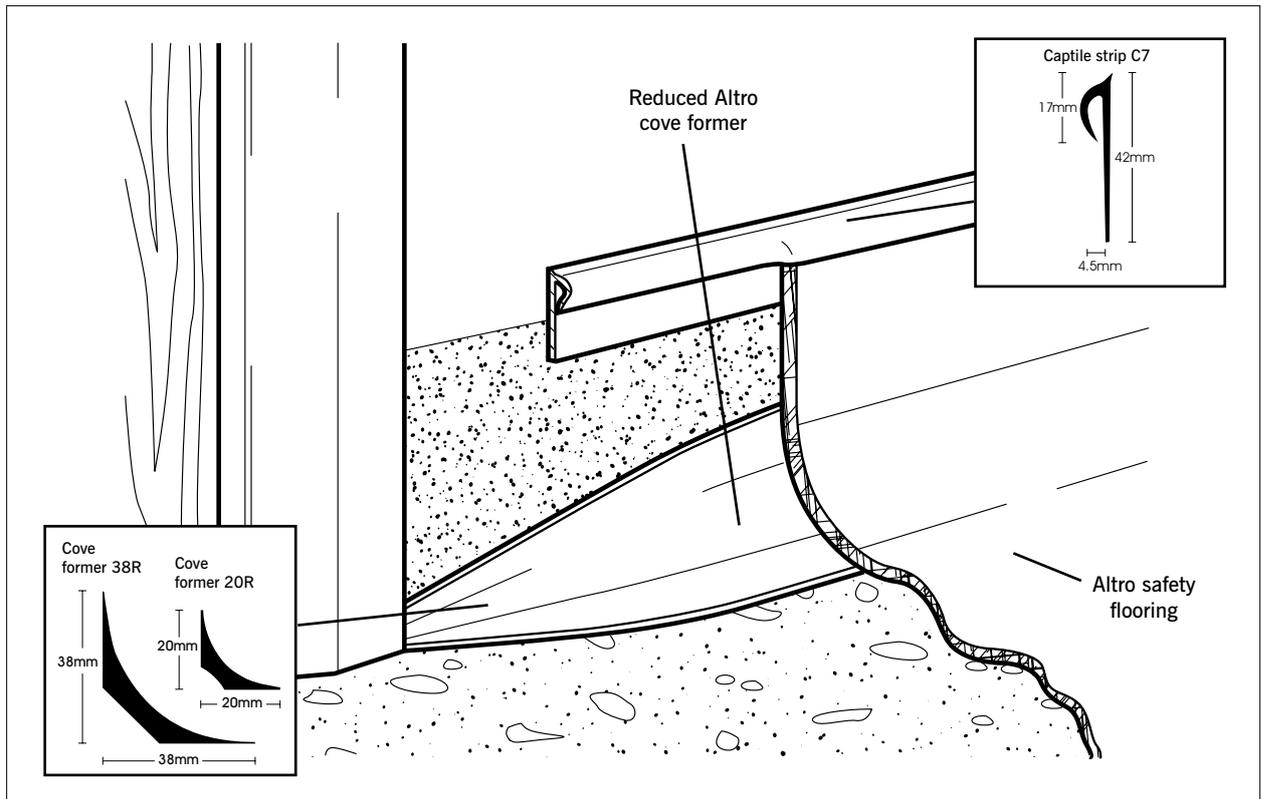
Self-covered with cove former and captile strip C8 to wall tiles

D5/03/05



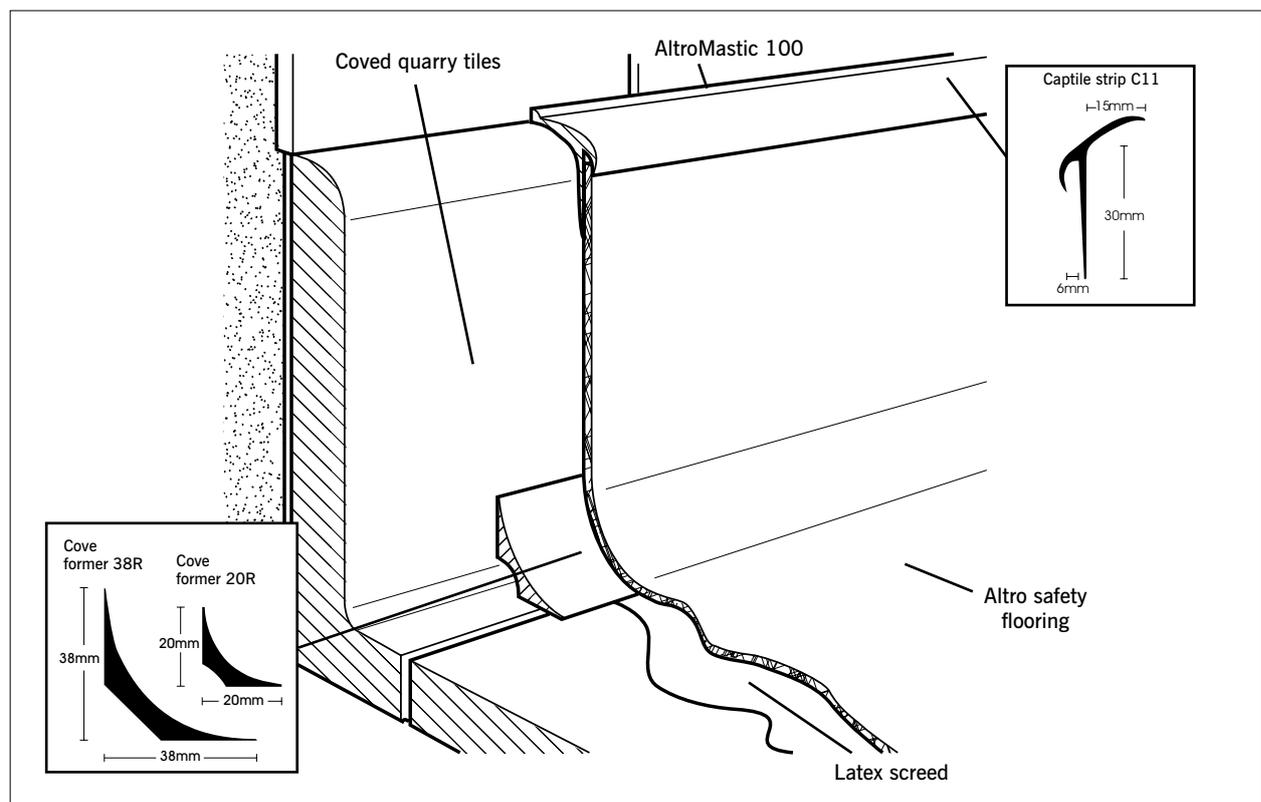
Self-coved to architrave

D9/03/05



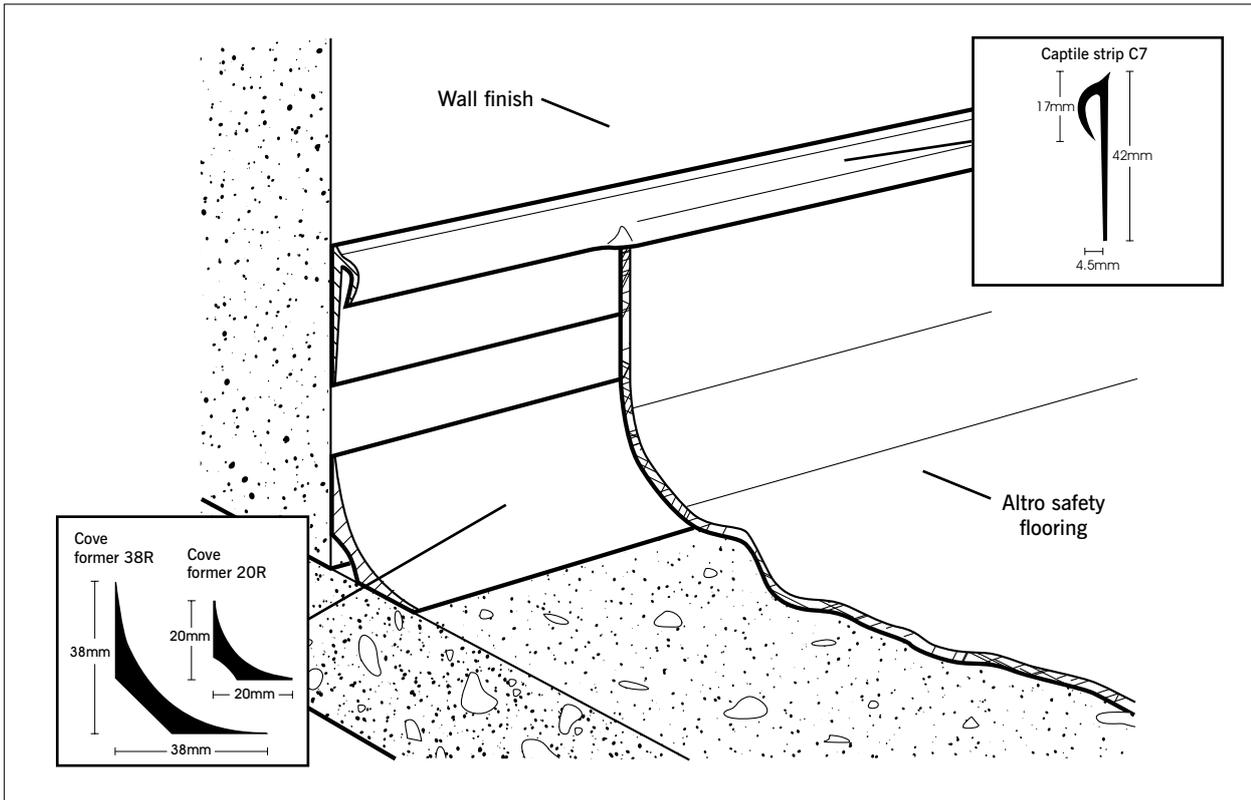
Self-coved with cove former and capping seal C11 over floor tiles

D6/03/05



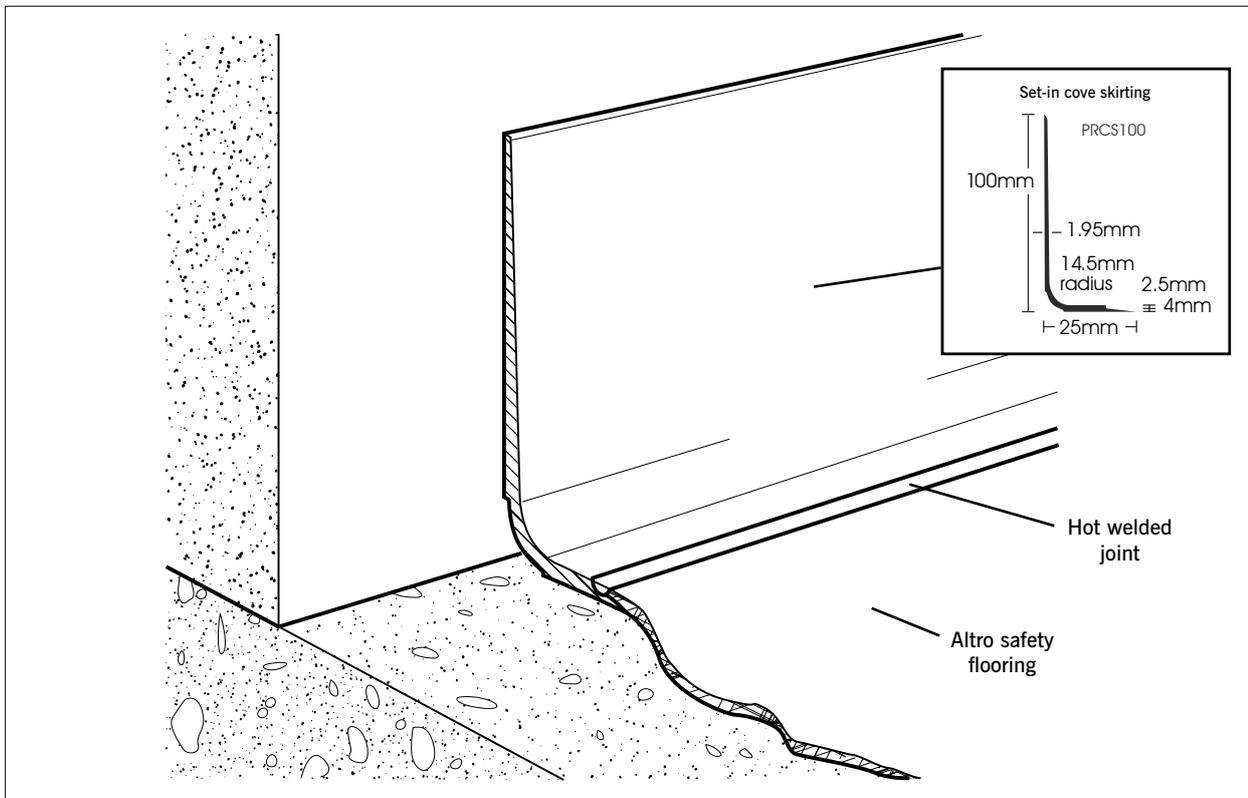
Self-coved with cove former and capping seal

D4/03/05



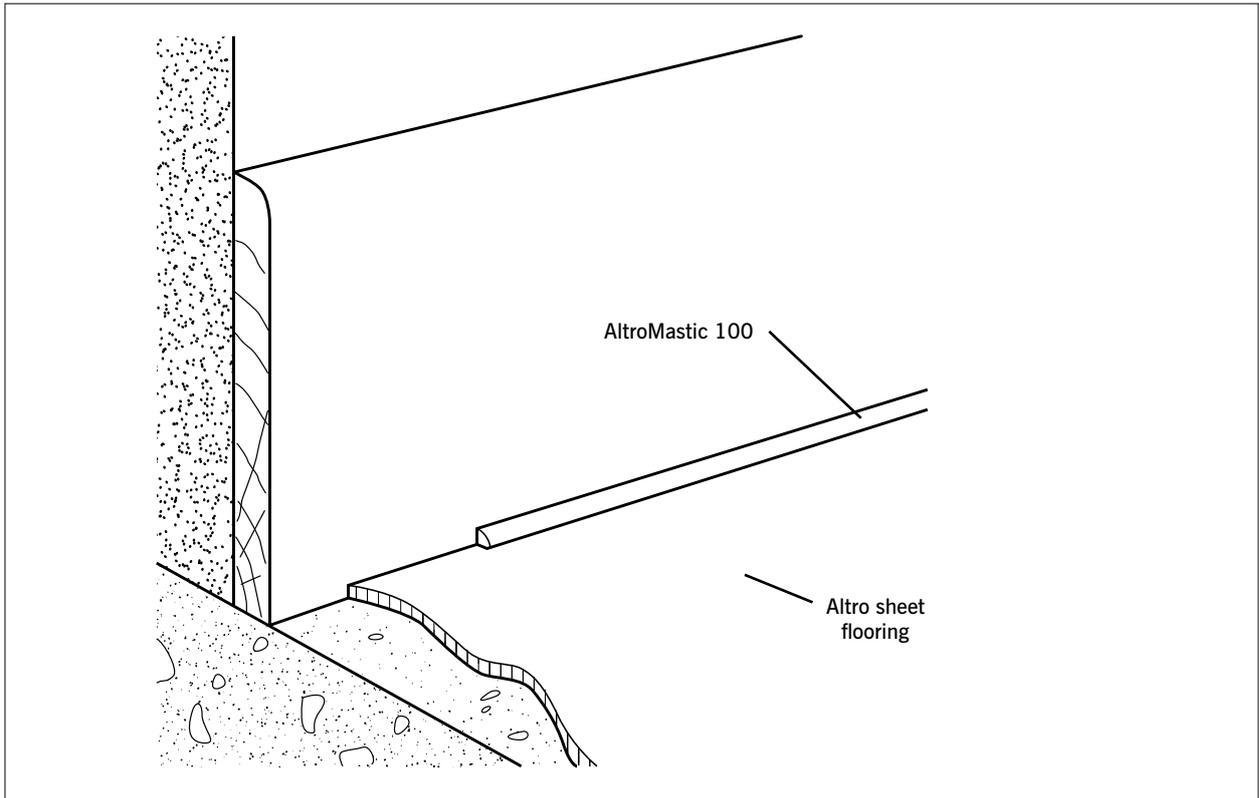
Set-in cove skirting

D3



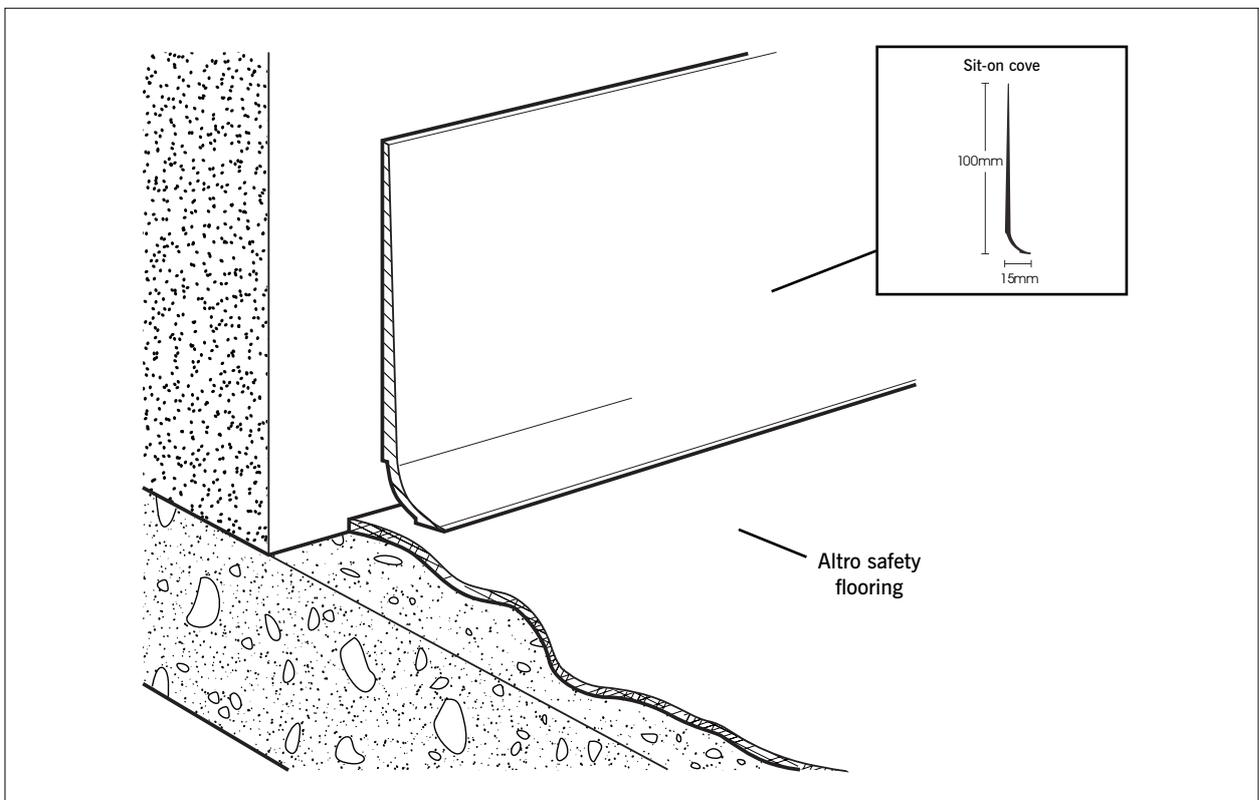
Straight laid

D1/03/05



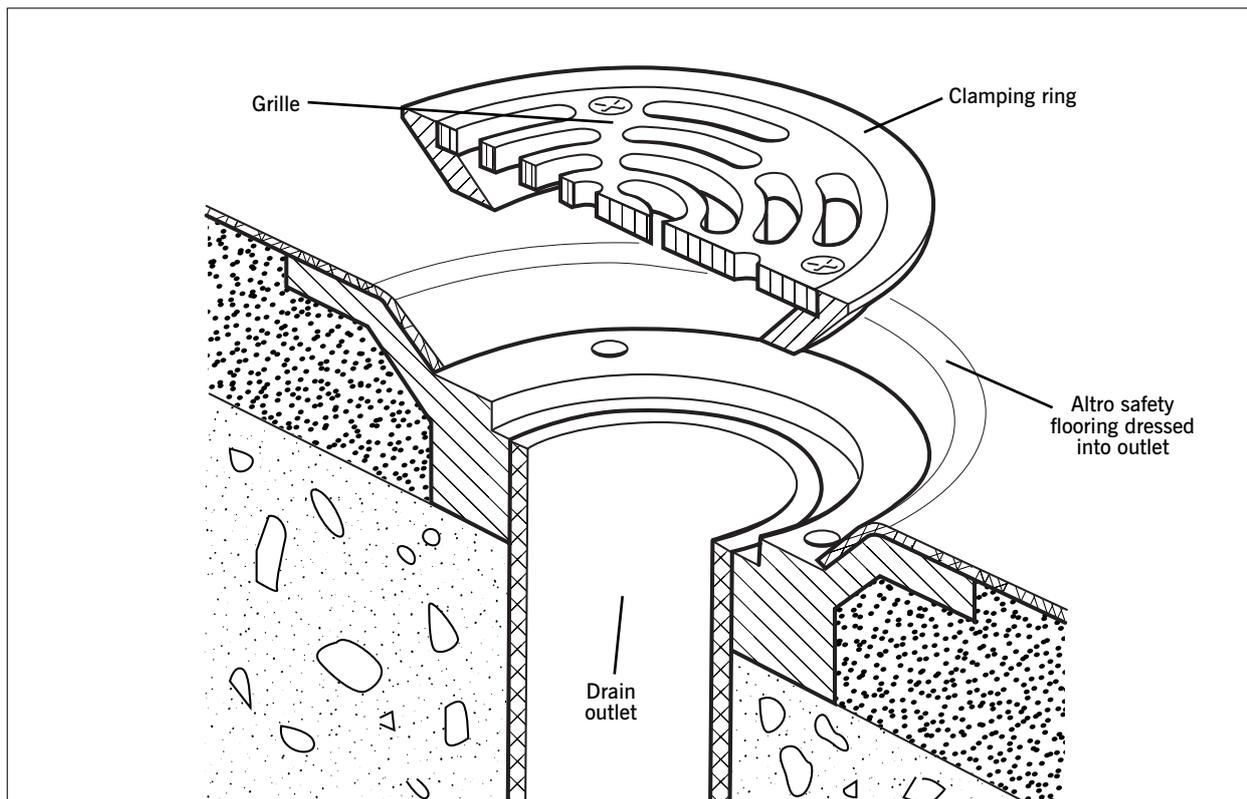
Sit-on cove

D2



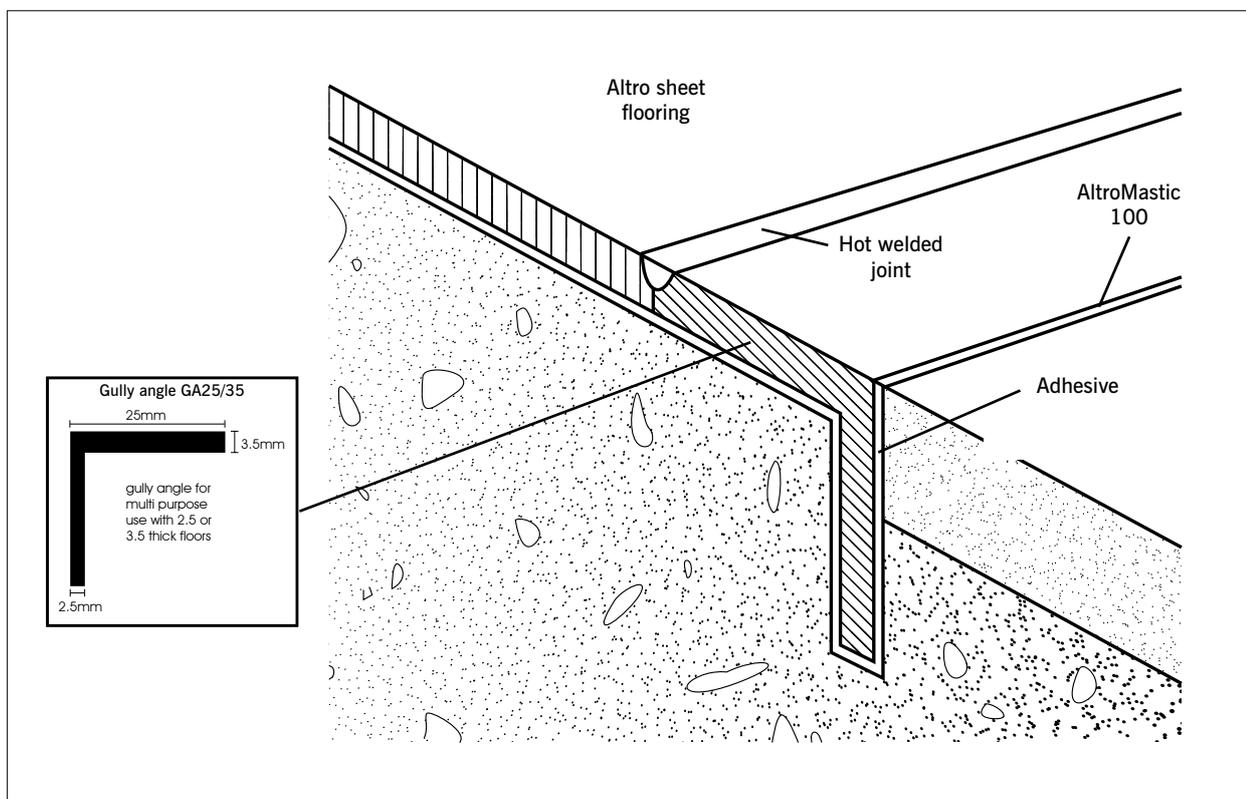
Transition with clamping drain

D13/03/05



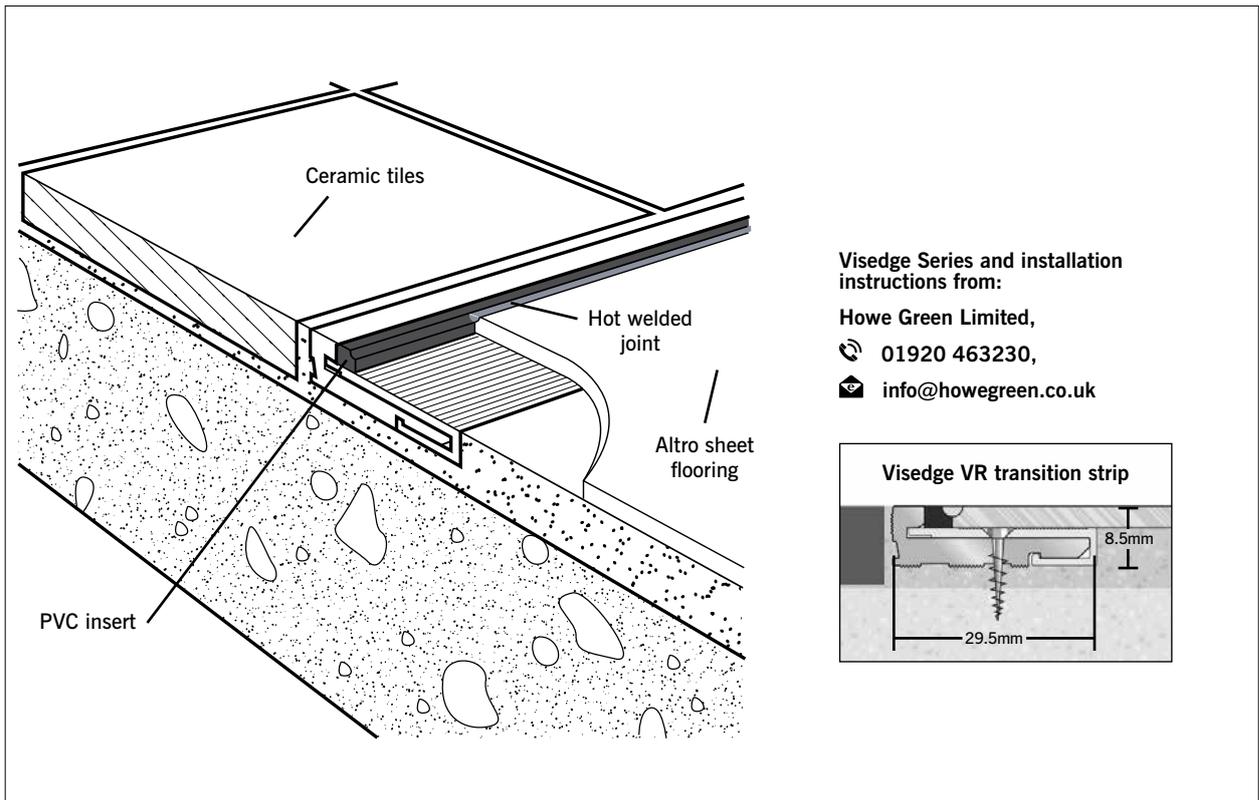
Finished to gully angle

D10/03/05



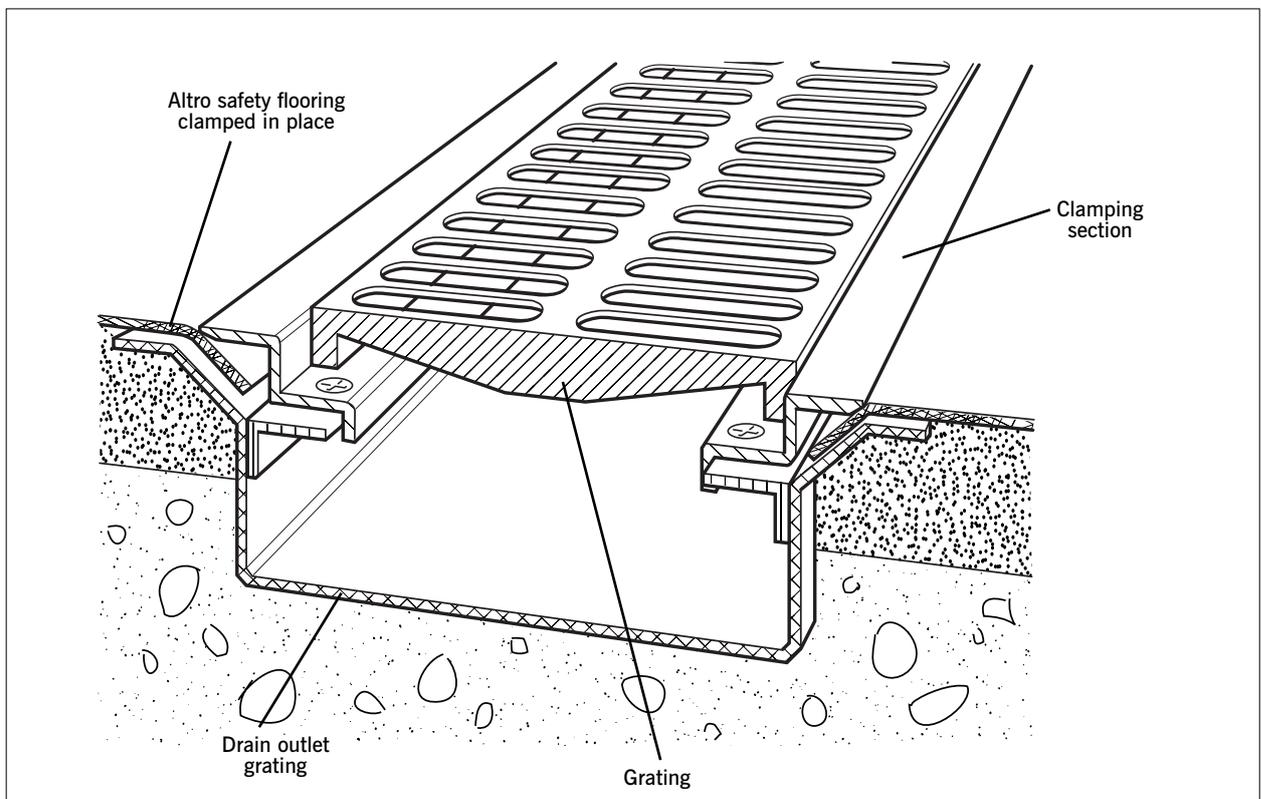
Transition with other floor surfaces

D12/08/05



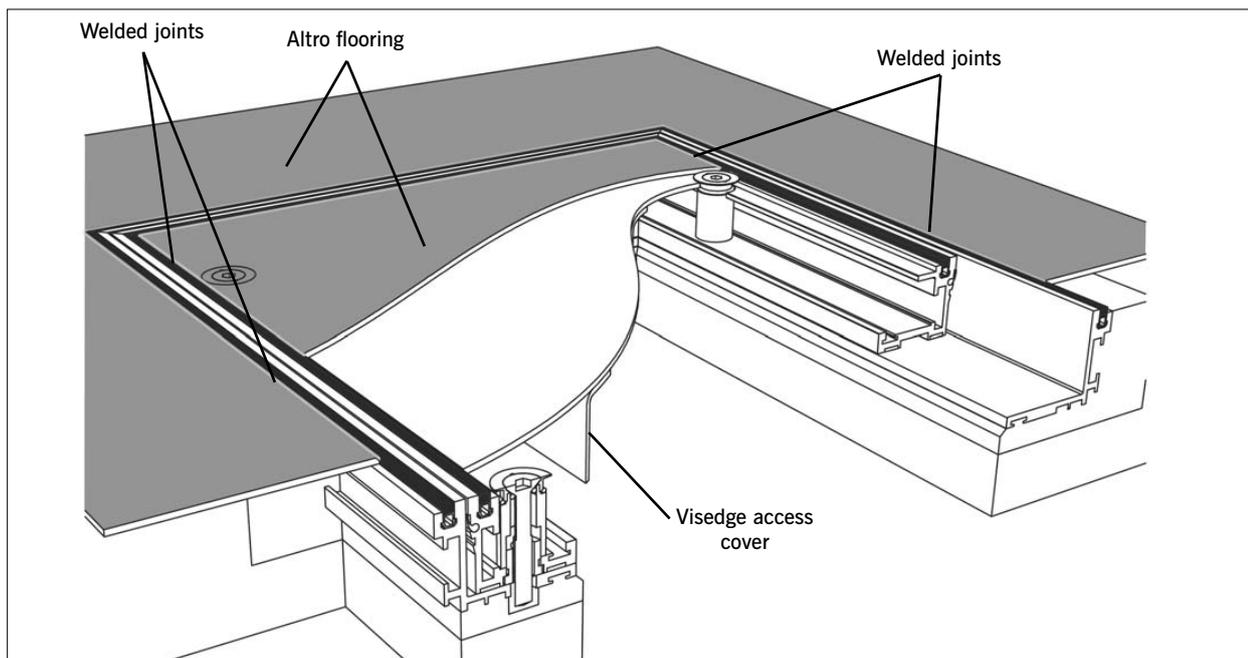
Transition with clamping channel

D14/03/05



Transition with access covers

D16/03/05



Altro offer many other installation detail drawings to assist specifiers and installers. All our installation detail drawings can be downloaded from www.altro.co.uk, within the 'Technical Information' section of the site. Altro can also provide detail and typical specification clauses for virtually any installation of our flooring, wall cladding or doorset products.

The performance of Altro flooring and wall cladding depends on their correct installation, and the care with which jointing detail is finished. For your guidance, the drawings published here demonstrate best practice.

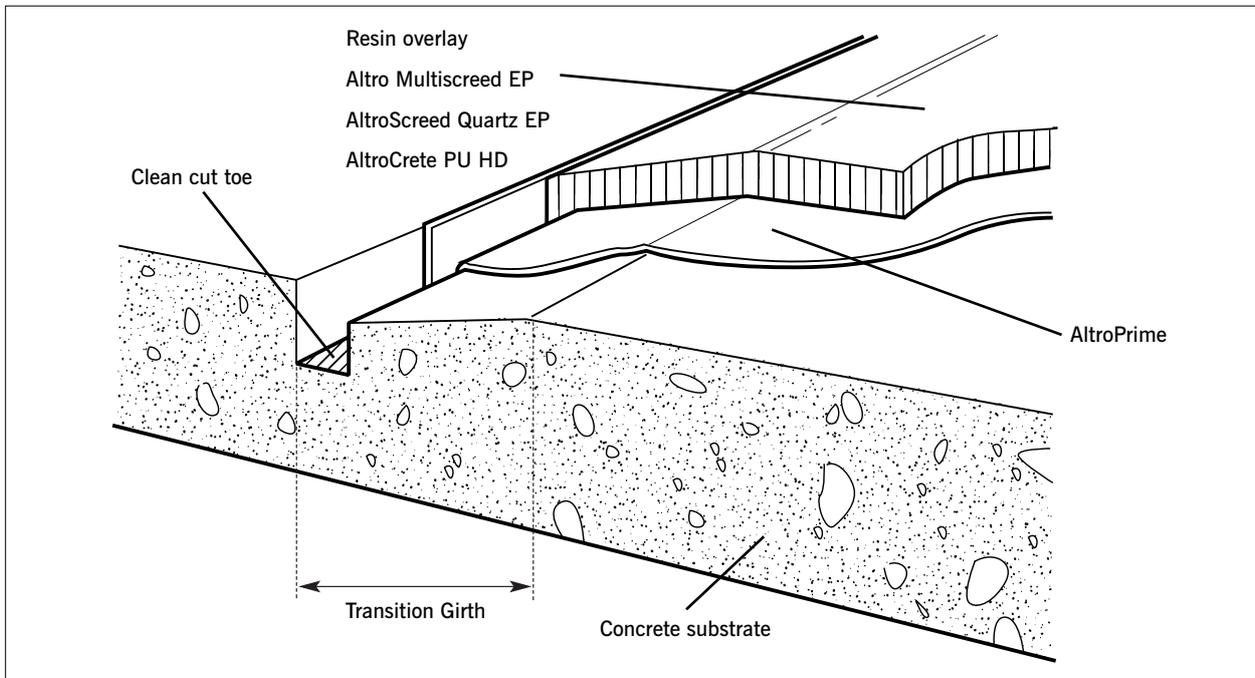
A representative selection of commonly encountered installations is shown.

For further guidance, typical specification clauses or isometric diagrams please contact us.

Resin flooring

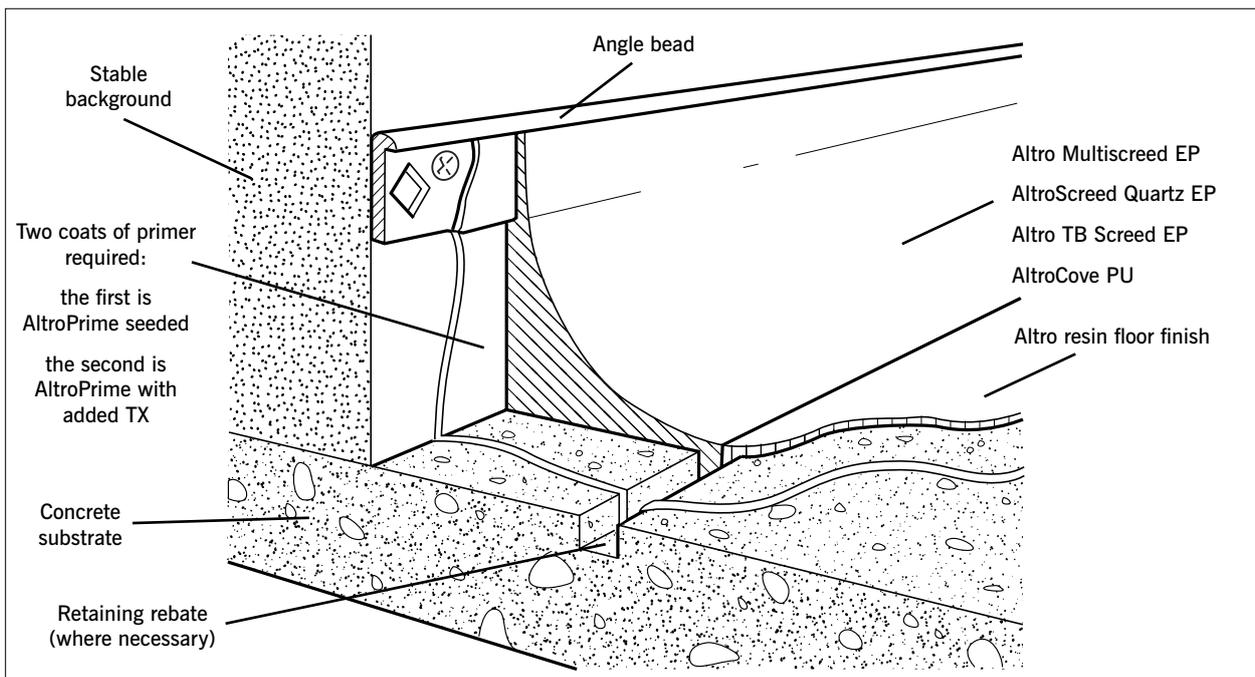
Altro resin flooring transition detail

RF4/11/05



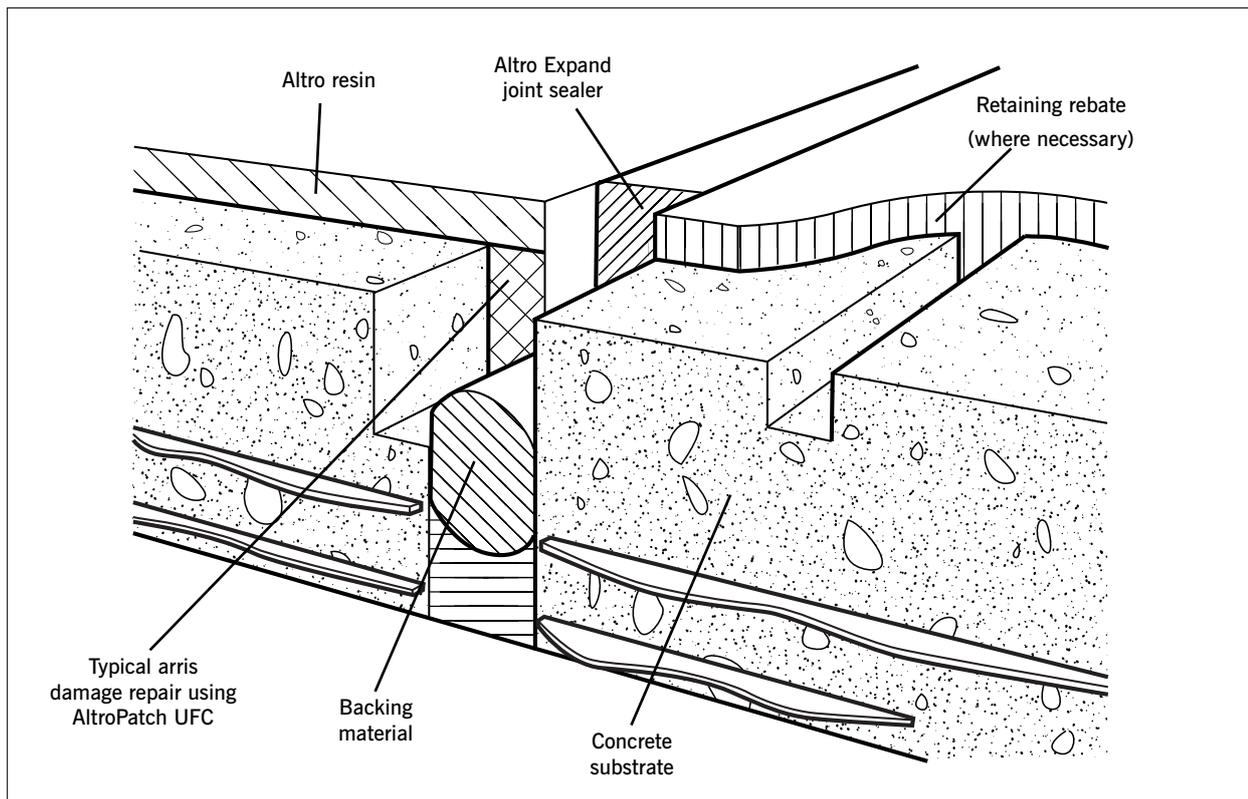
In-situ cove detail with retaining rebate

RF2/07/00



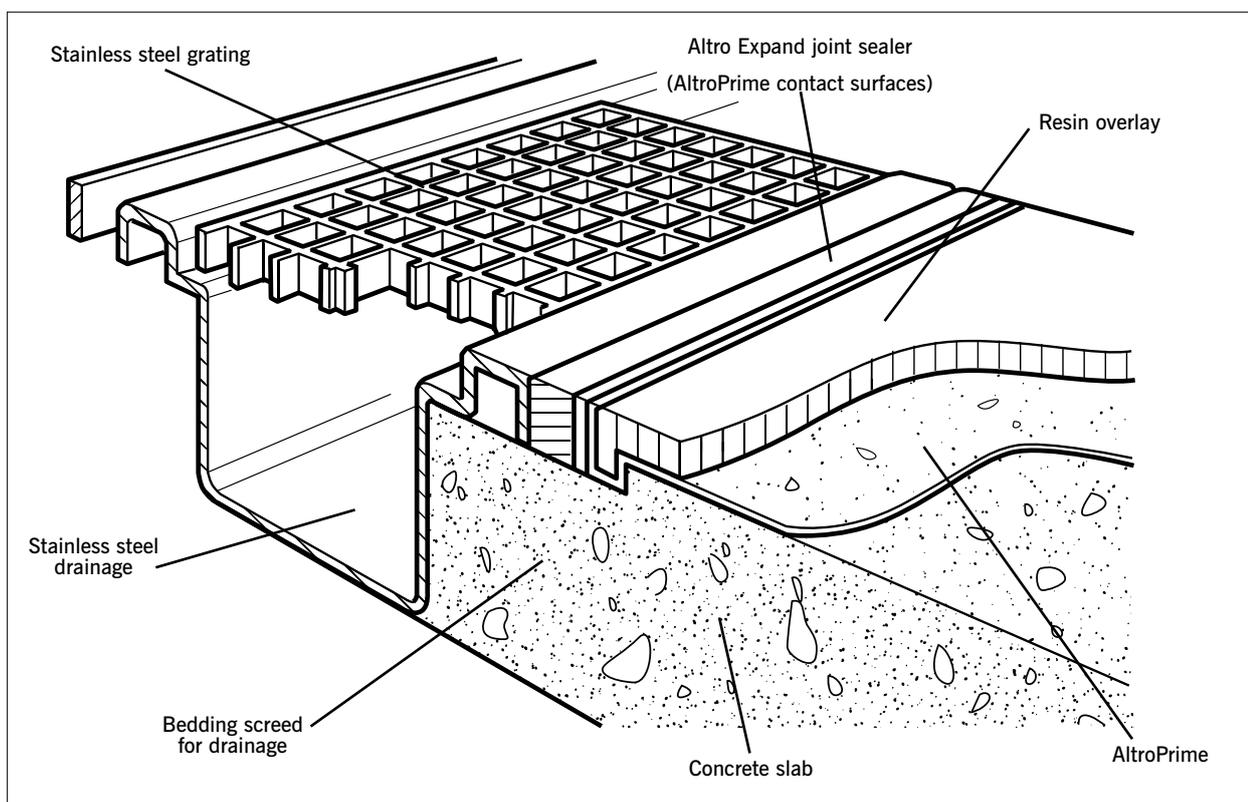
Altro resin flooring finish at floor expansion joints

RF1/07/00



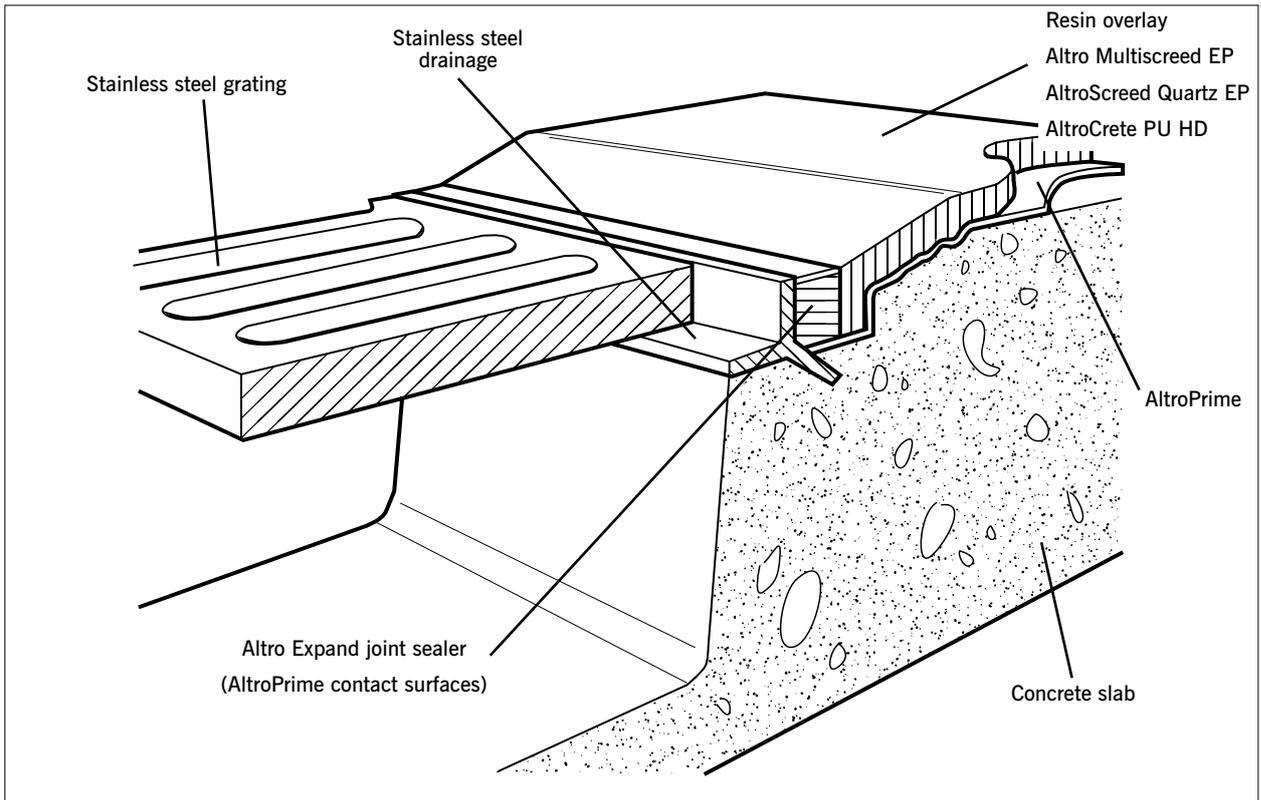
Altro resin flooring finished to stainless steel drainage

RF5/11/05



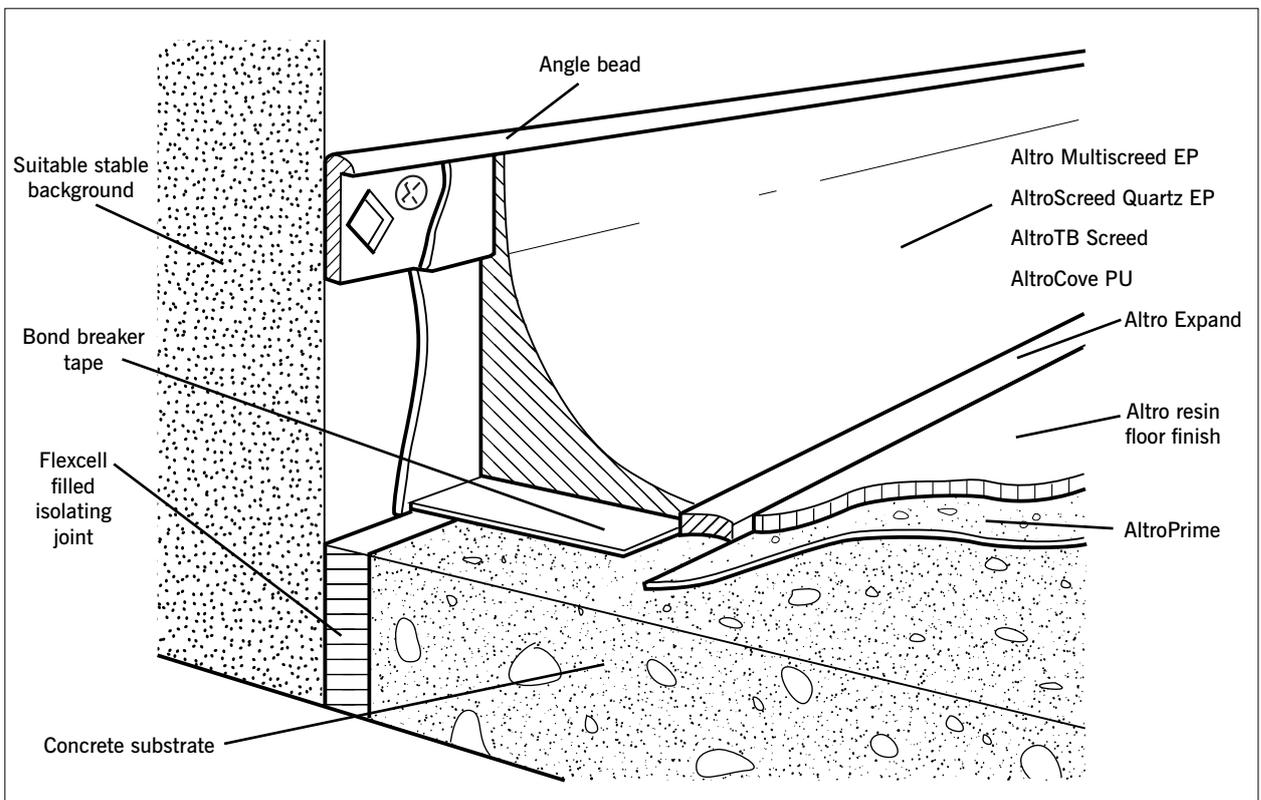
Altro resin flooring finished to poured trench drainage

RF6/11/05



Altro resin flooring with in situ cove and isolated slab to wall

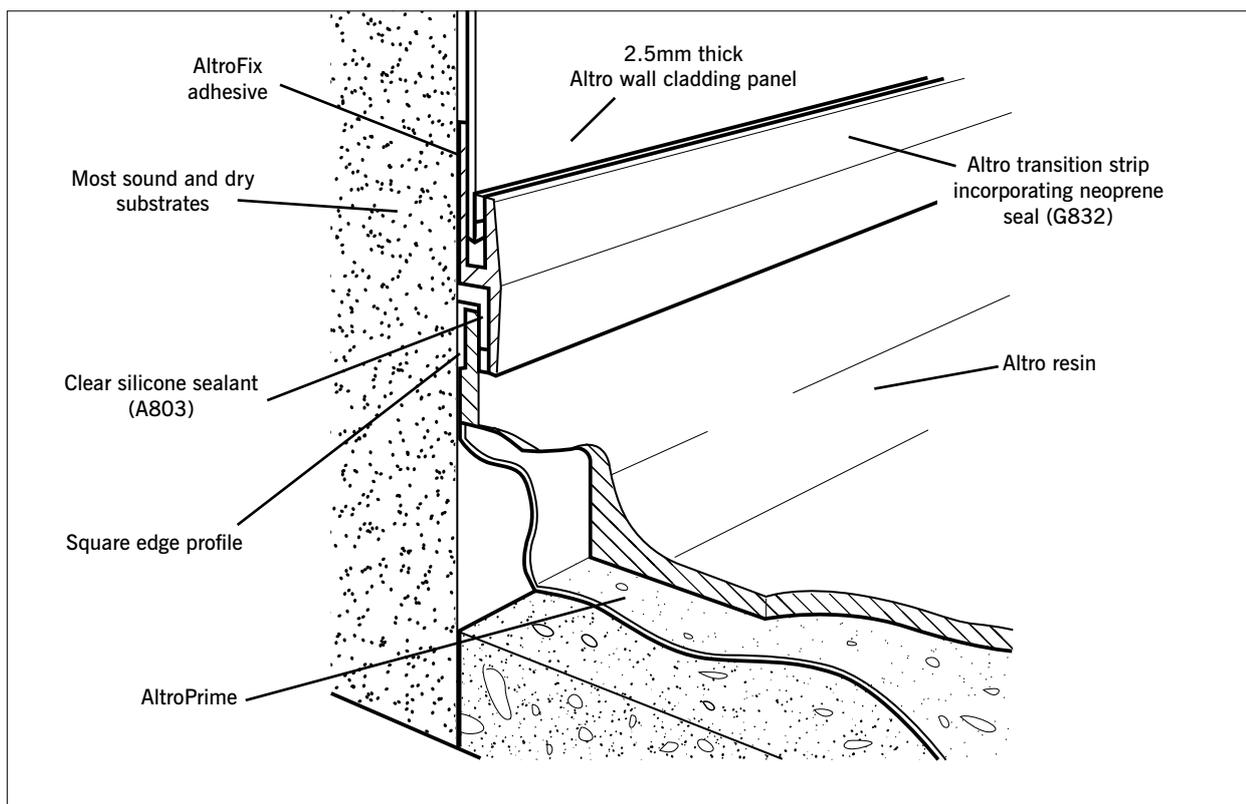
RF7/11/05



Walls

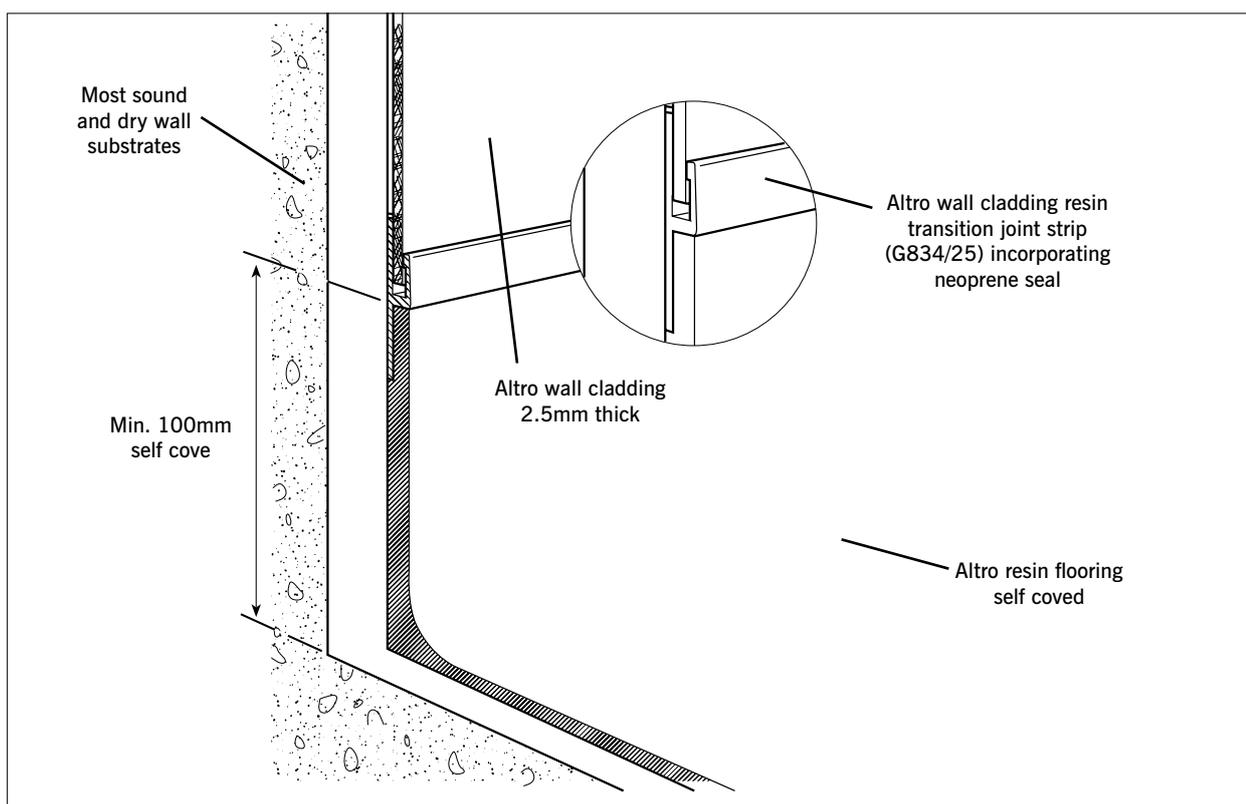
Altro wall cladding to Altro resin flooring detail

WF5



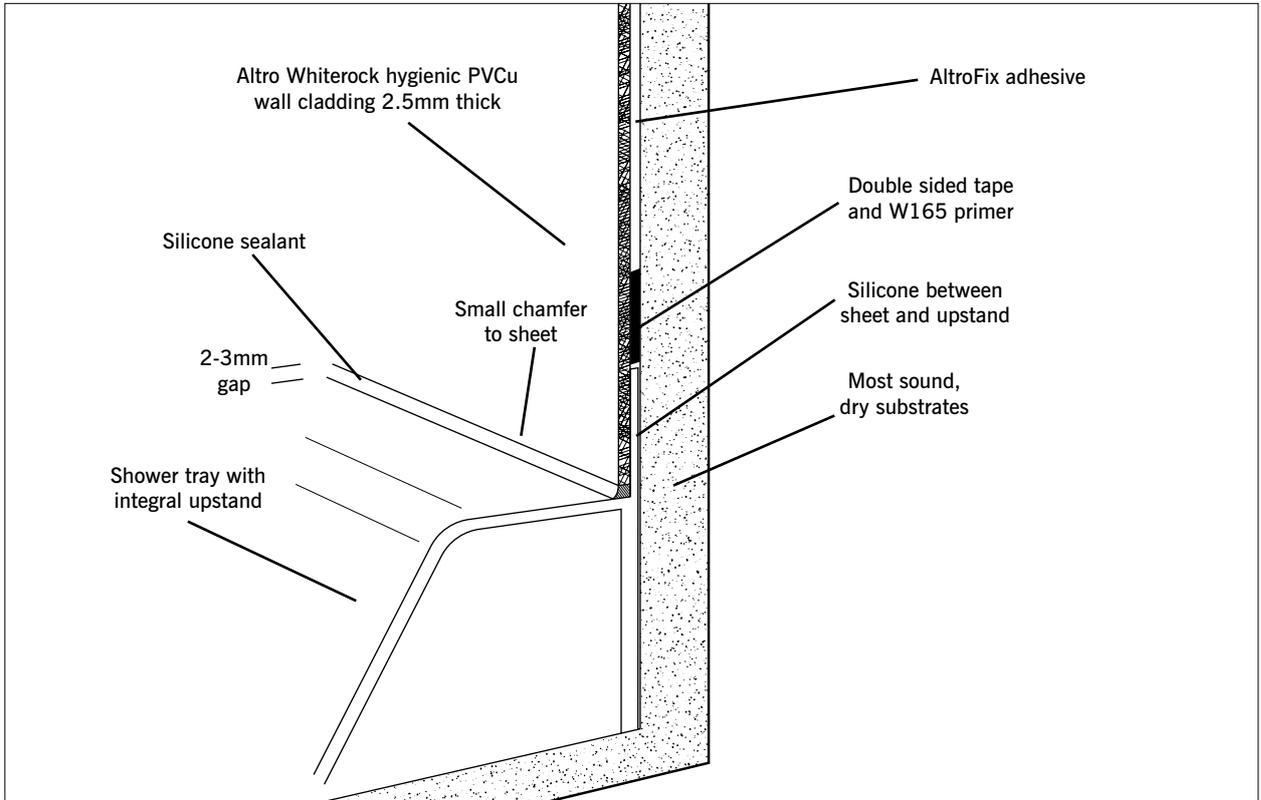
Altro wall cladding to Altro resin flooring detail

WF6



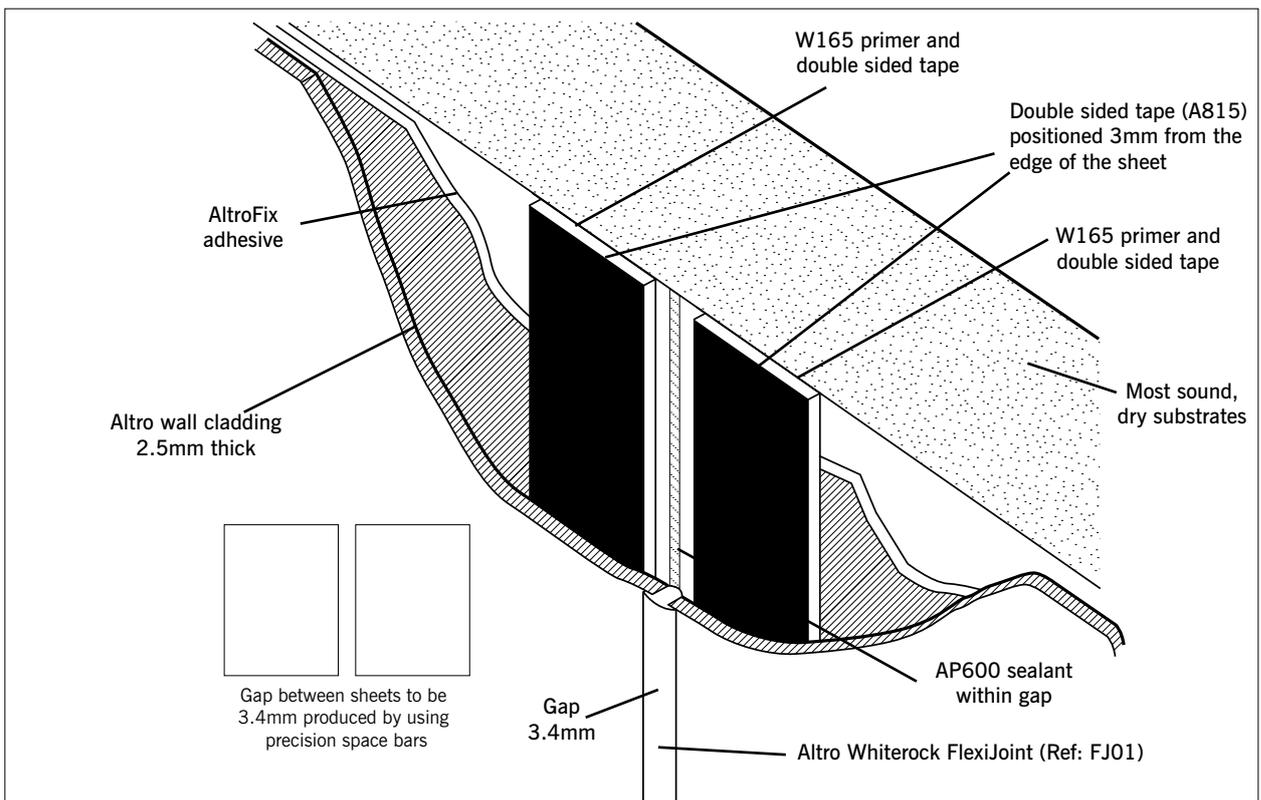
Altro Whiterock hygienic PVCu wall cladding to shower tray with integral upstand detail

WS2



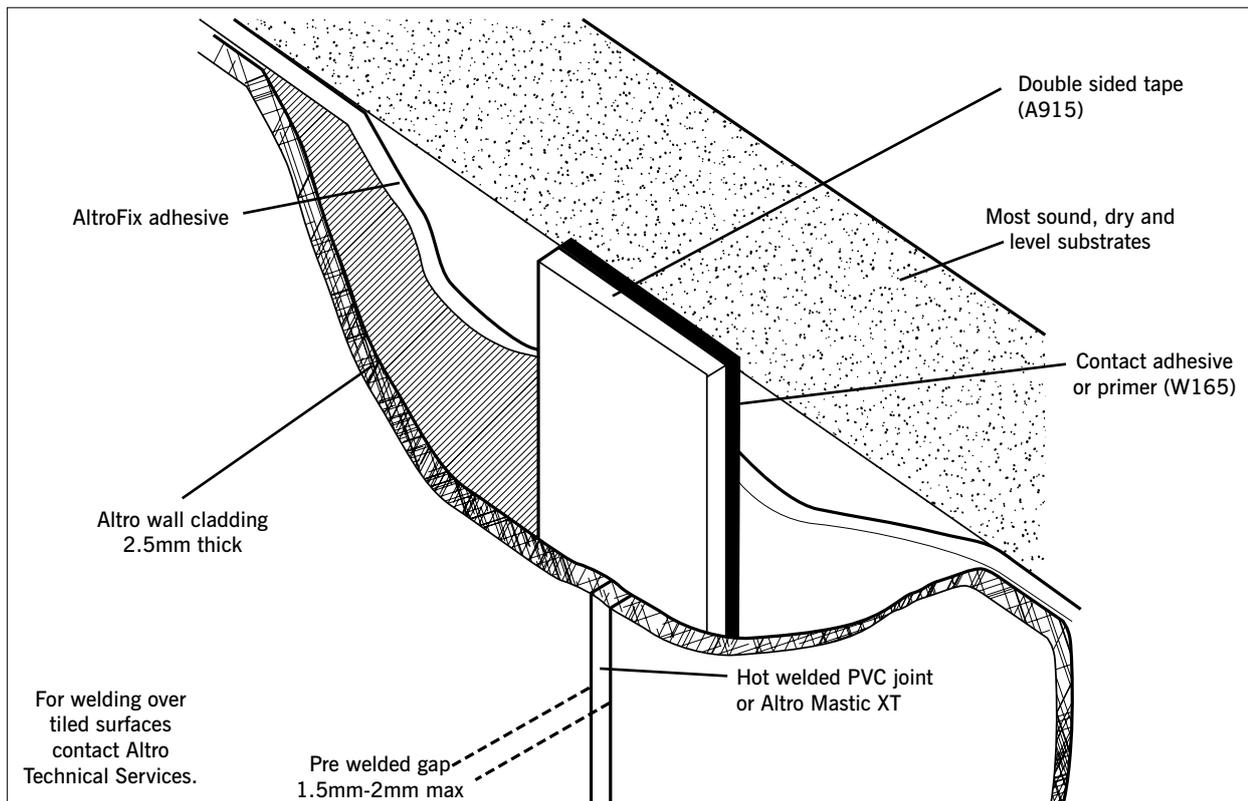
Altro wall cladding to Altro Whiterock FlexiJoint detail

W11



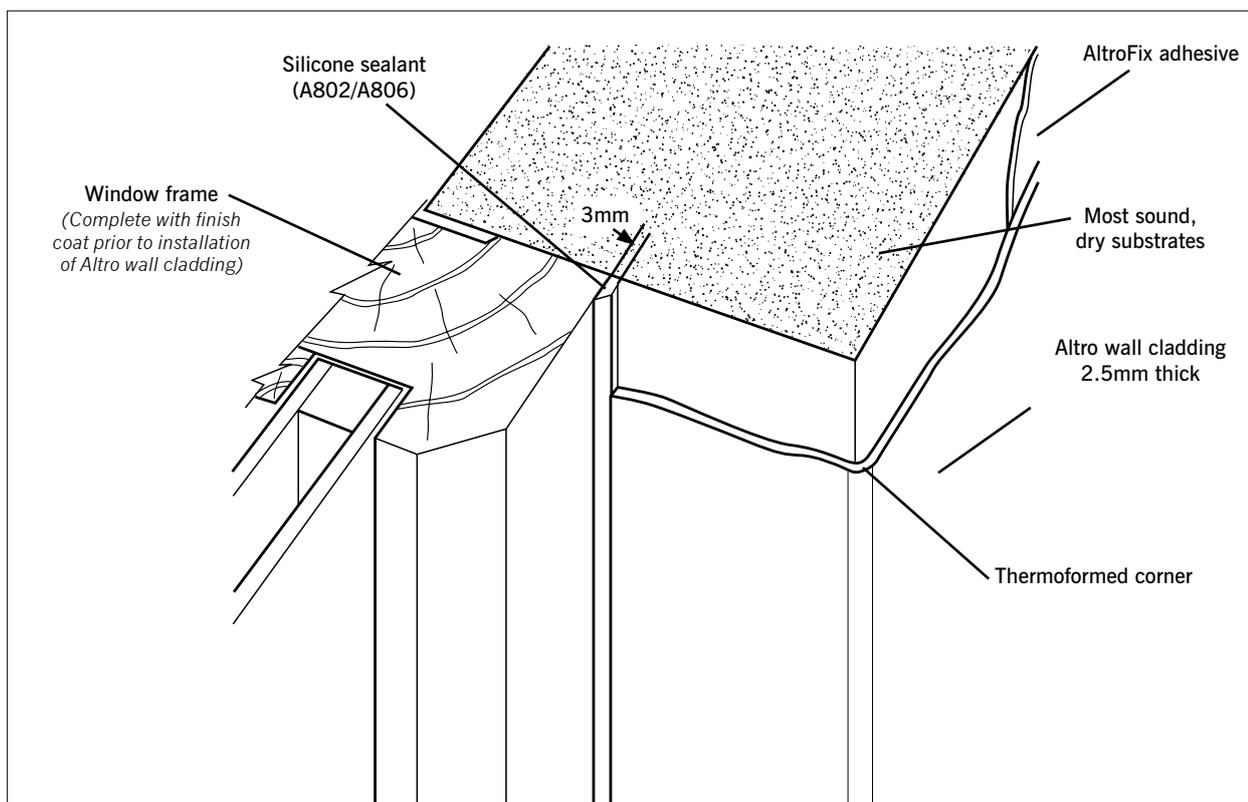
Altro wall cladding to Altro wall cladding detail

W9



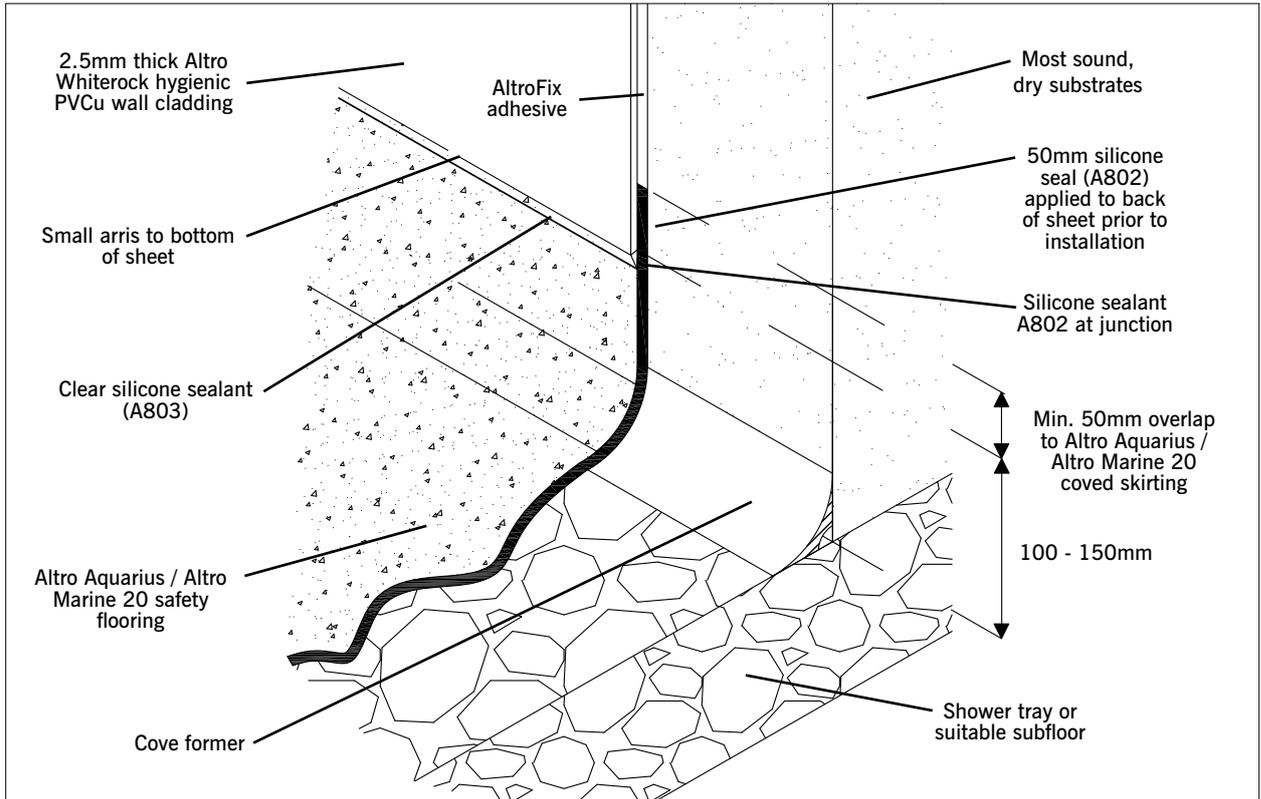
Altro wall cladding to window / door frame detail

W1



**Altro Whiterock hygienic PVCu wall cladding to Altro Aquarius /
Altro Marine 20 safety flooring shower tray detail**

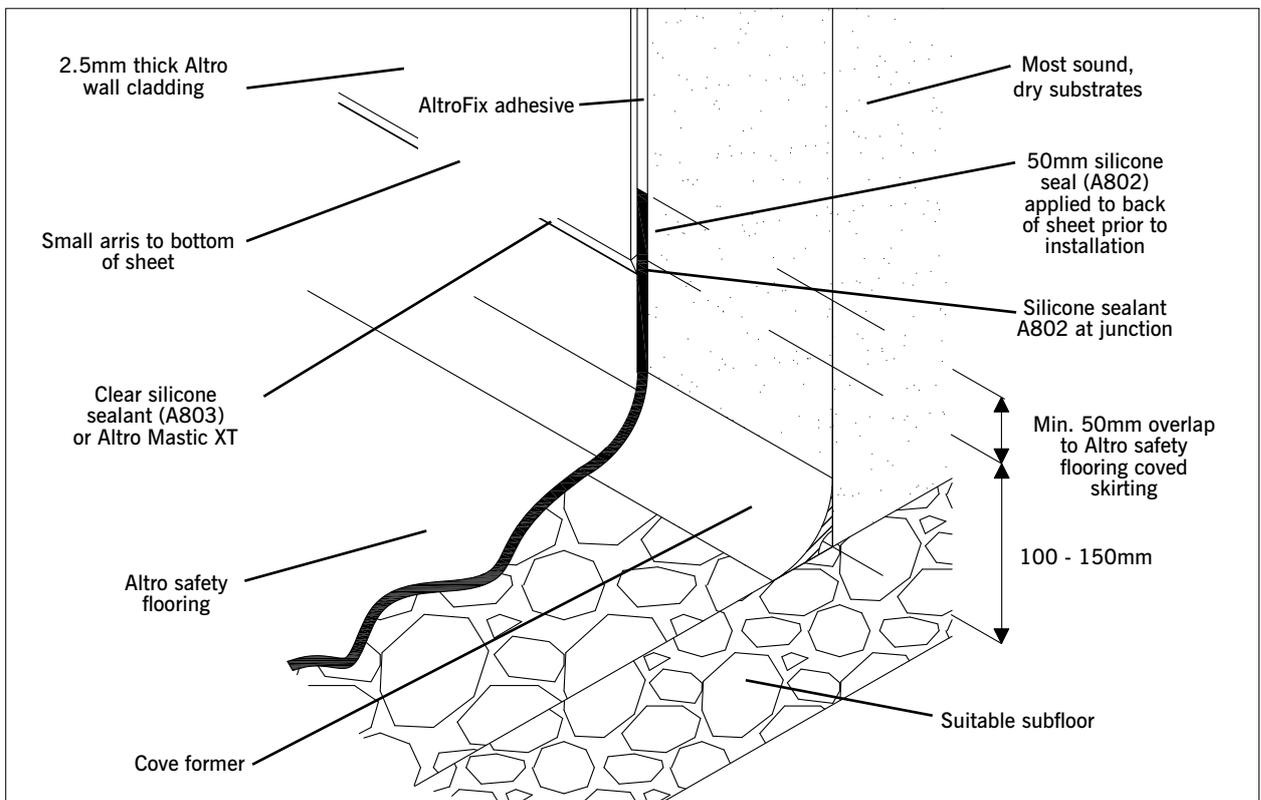
WF4



Shower tray detail for dementia-friendly environments available at www.altro.com

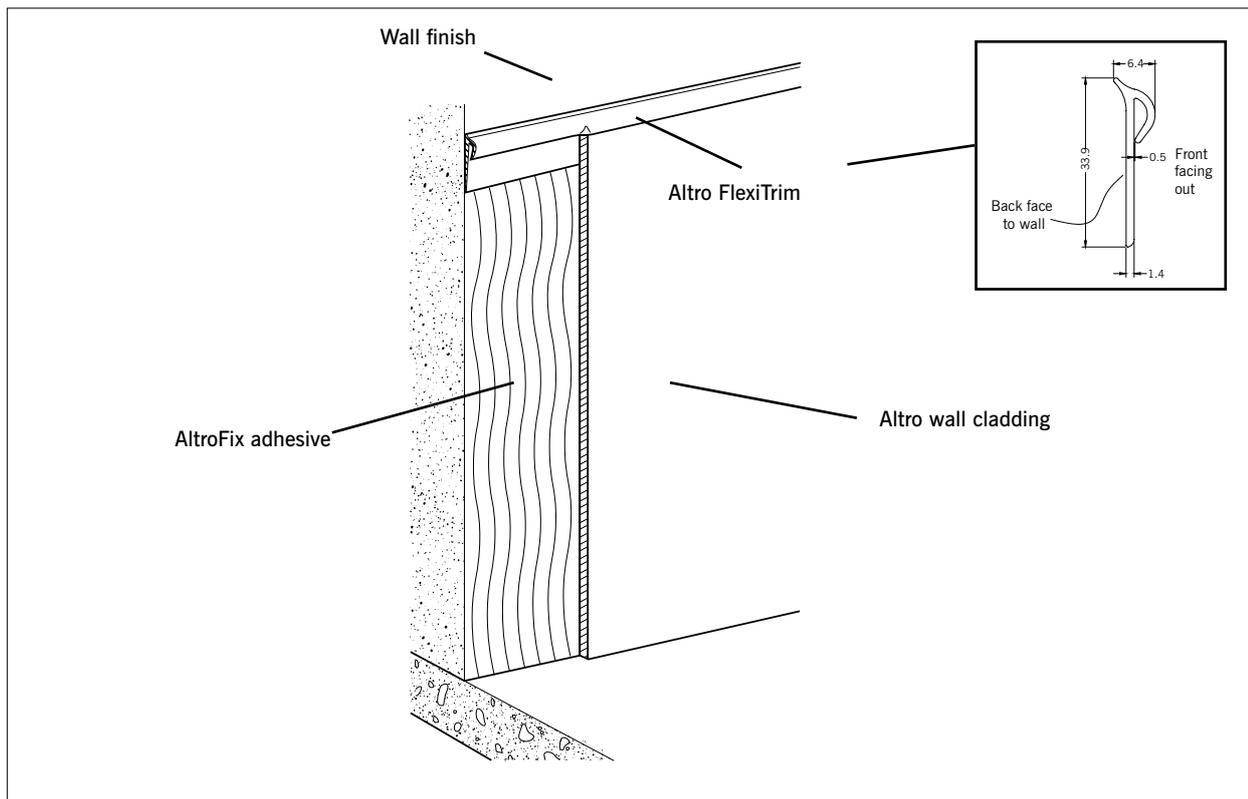
Altro wall cladding to Altro safety flooring overlap detail

WF4a



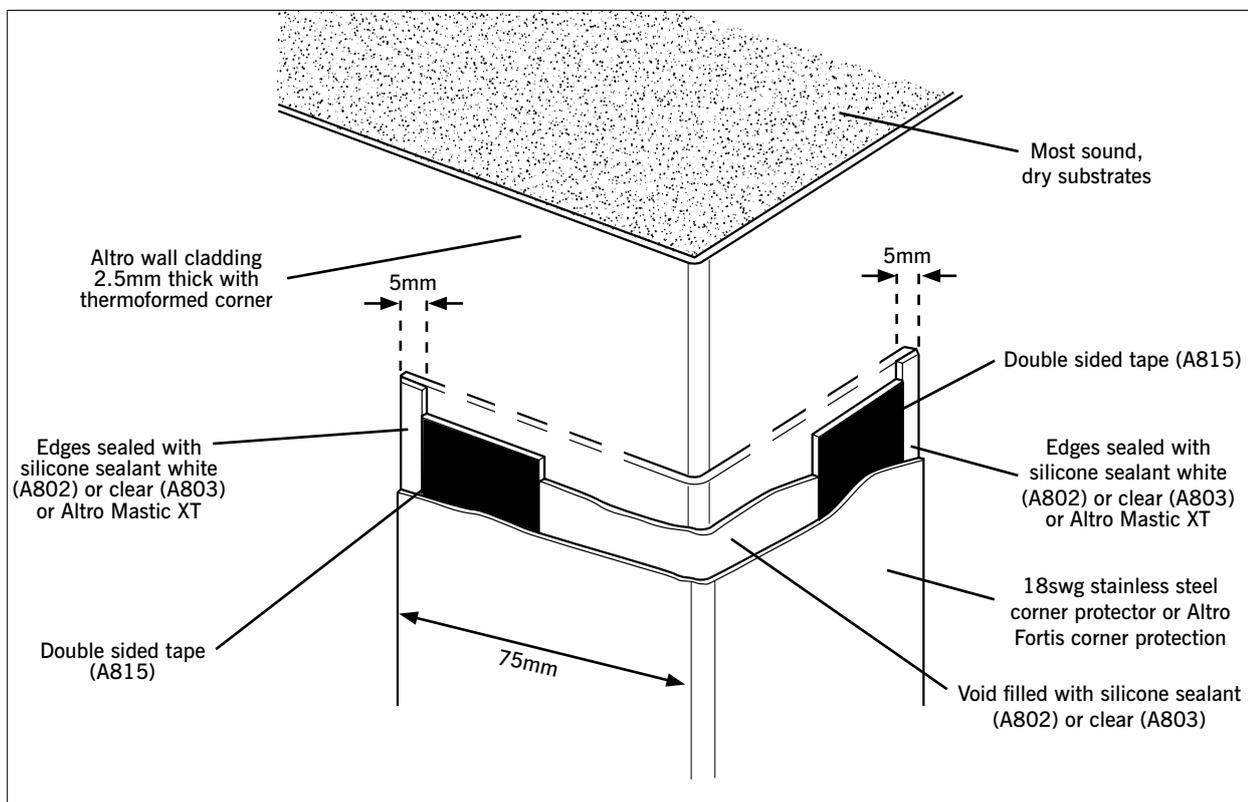
Altro wall cladding at dado height with Altro FlexiTrim

W12



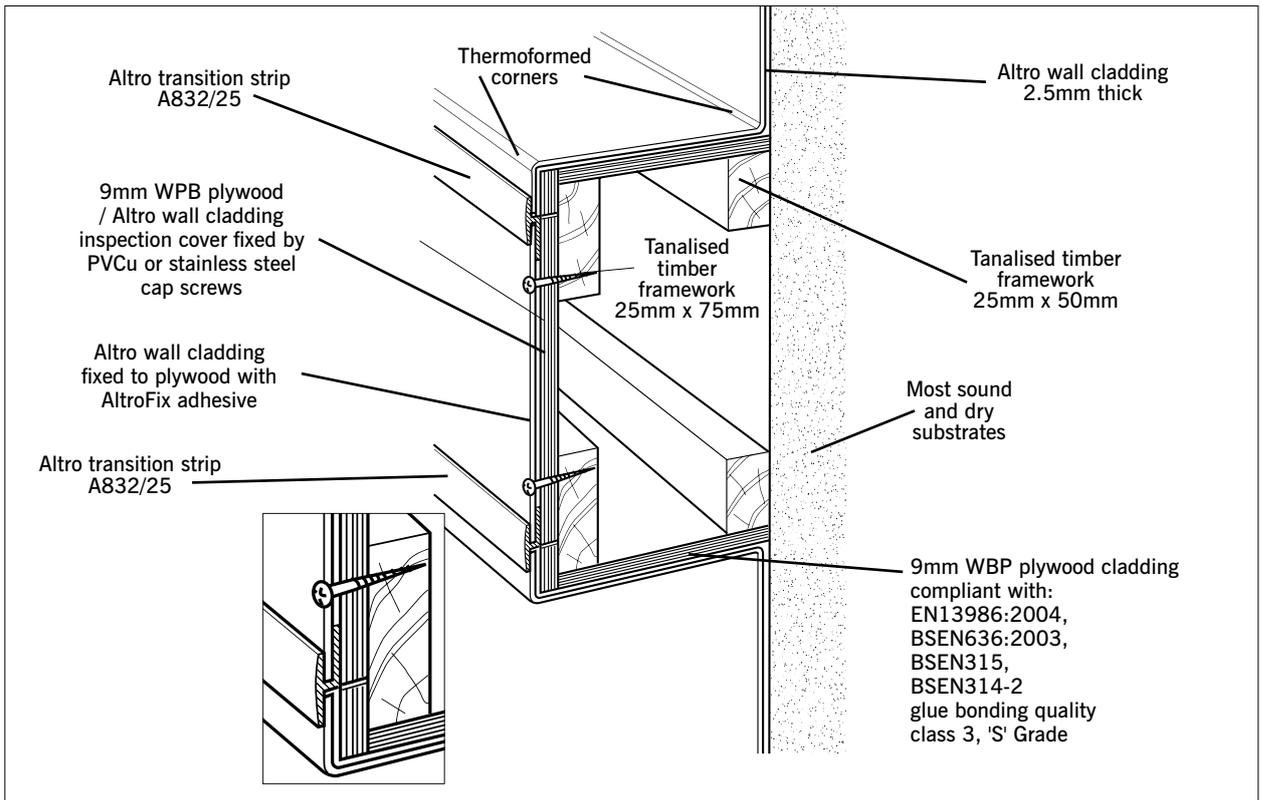
Altro wall cladding with corner protector fixing detail

W8



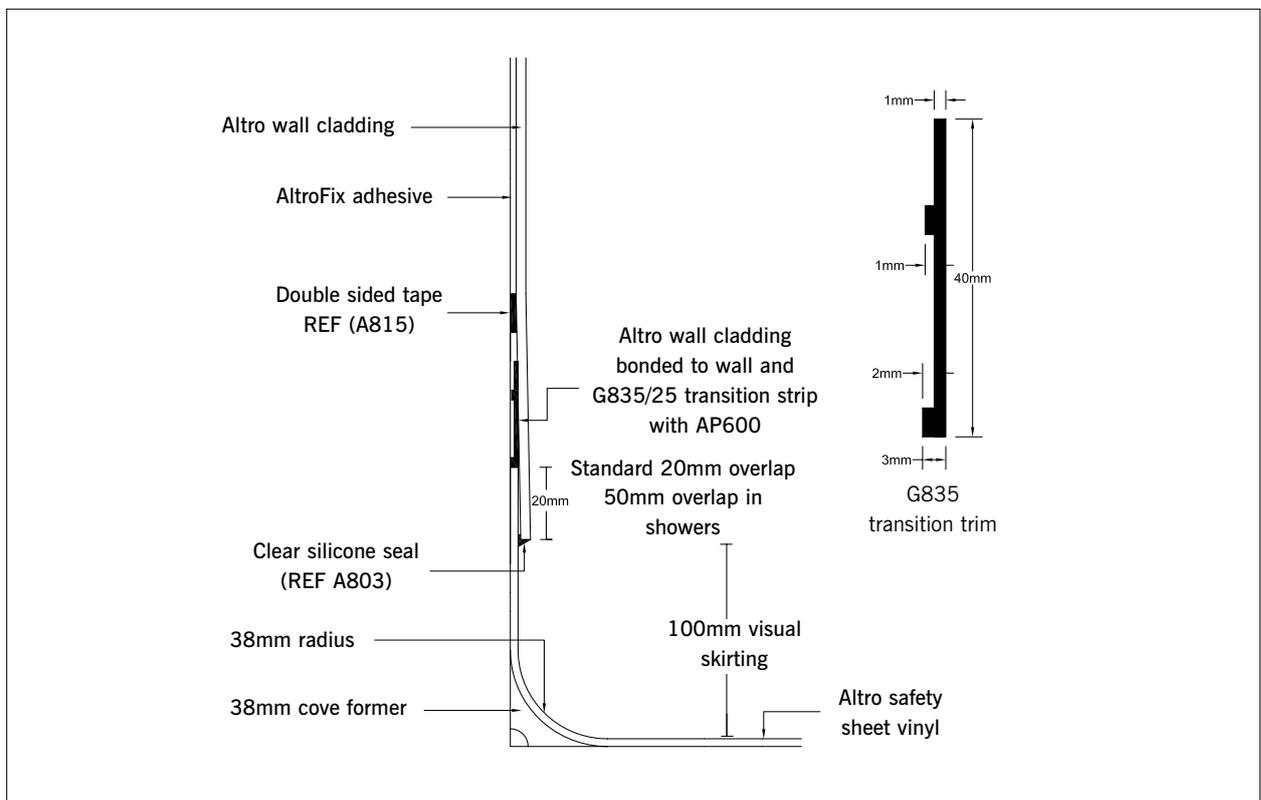
Altro wall cladding to boxing inspection cover detail

W3



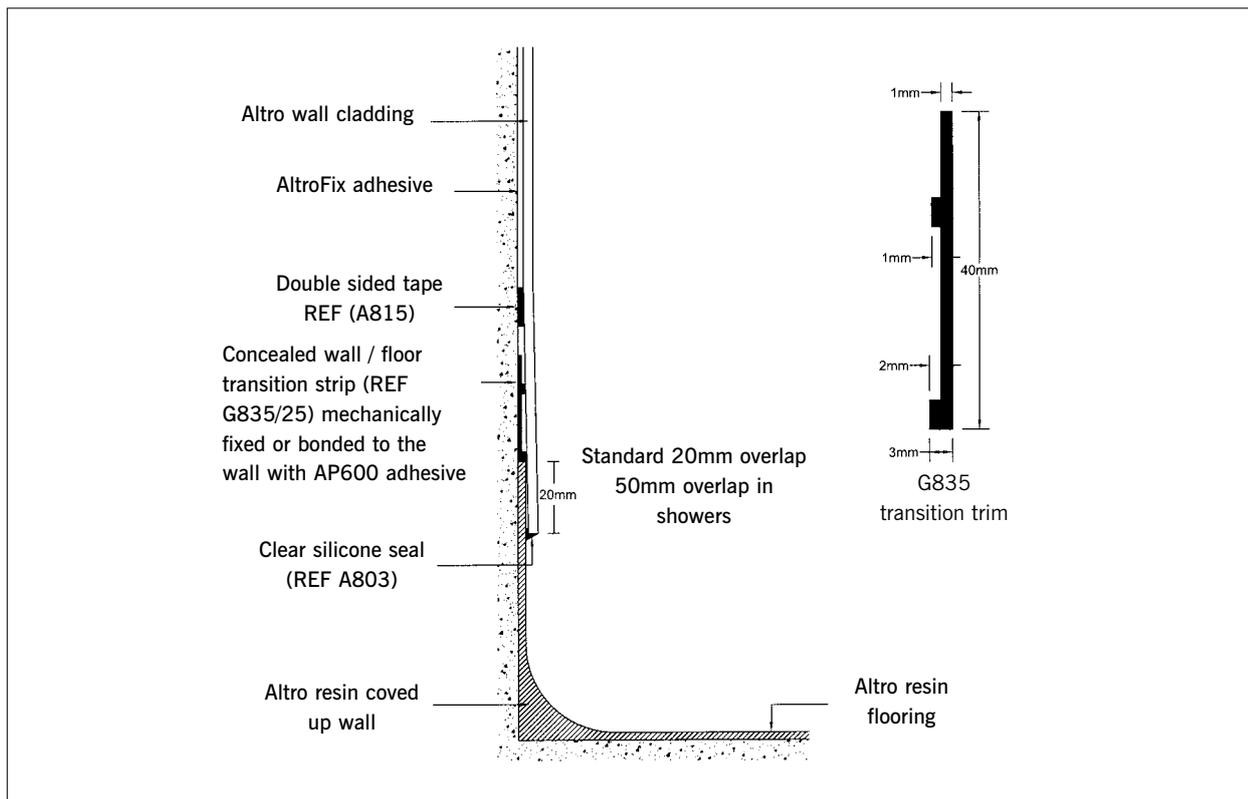
Concealed transition strip

WHTT2



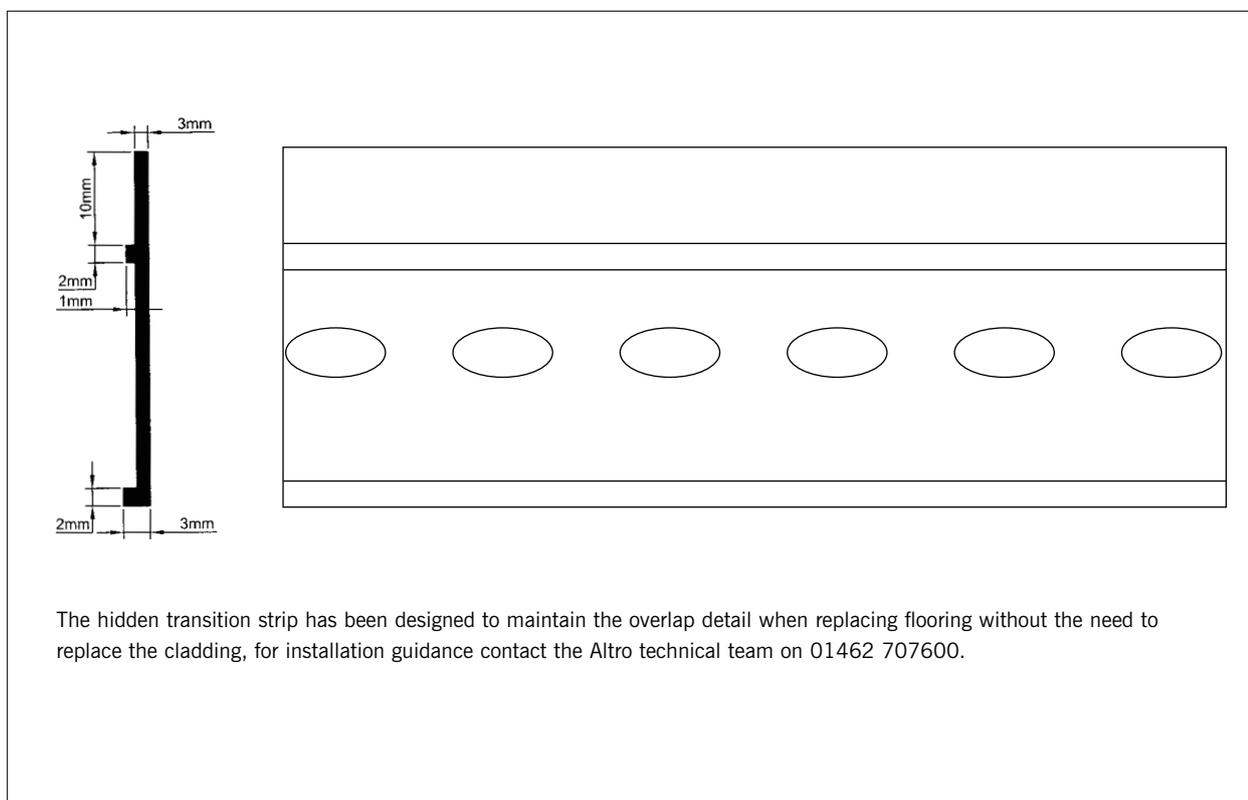
Concealed transition strip

WHTT3



Concealed transition strip

WHTT4



Customer support / CPD services

Altro is committed to supporting personal development in the construction industry. Our customer support / CPD services cover a range of subjects and are appropriate for architects, interior designers, surveyors, engineers, education business managers, healthcare facilities managers, environmental health officers, occupational health officers etc.



Designing for dementia

With an ageing population increasing the number of dementia cases, this CPD has been designed to give delegates an overview of the fundamental aspects of designing for dementia environments.

Duration: 1 hour

How to reduce risk of slipping

The specification of appropriate flooring is an important way of controlling risk.

This seminar coincides with the Health and Safety Executive (HSE) campaign to reduce slips. This CPD focuses on:

- the regulations
- statistics
- HSE activity
- flooring slip test methods

Duration: 1 hour

Prevention is better than cure

Defect-free construction is a major industry preoccupation. This seminar looks at the principal causes of failure and how to get your product selection and installation right first time.

Duration: 1 hour

Resins - where function meets design

From machine shops to warehouses, resin systems are providing the performance required to keep the wheels of industry rolling. But what type of resin should you use? Will it resist chemicals and be easy to clean? You'll find the answers to these and other questions by attending this seminar.

Duration: 1 hour

Altro factory tour: Innovation in manufacturing product design

This tour of our manufacturing plant and laboratories will focus on how safety flooring is manufactured, how new products are developed and provide guidance on issues, legislation and standards affecting the specification of safety flooring. You will be taken through the history of Altro and how we continue to lead the way through delivery of innovative solutions, in which sustainability objectives underpin our decision making processes. This course / workshop / tour focuses on:

- the composition of safety flooring and how it works
- the manufacturing process
- the history of safety flooring and how it has developed over the years
- situations safety flooring is most suited to
- different types of safety flooring to suit different requirements
- cleaning requirements for safety flooring
- measuring slip resistance



View our products in the heart of London

Vibrant colours. Sleek design. Central location.
Comfy sofas.

Sit back and relax at the Altro Design Centre, where architects, specifiers and designers, as well as flooring and wall cladding professionals, have the opportunity to see first-hand our extensive product portfolio. Help yourself to samples and visualise your next installation with the Altro sample displays.

We host a number of exciting events, past ones included our glowing Neon Party and our Brazilian night. We also conduct CPDs that comply with RIBA Core CPD Curriculum.

So whether you are looking for inspiration or education, stop in and see what we can do for you.

Conveniently located in Clerkenwell, just five minutes' walk from Farringdon Station.

Altro Design Centre

15 Clerkenwell Green, Islington,
London, EC1R 0DP

+44 (0) 207 253 4778

Opening times:

Monday - Friday 9.30am - 5.00pm

(other times by appointment)

NBS specifications

Altro safety flooring, Altro rubber flooring

NBS Plus model specification guides for Altro safety flooring and Altro rubber flooring are available in an NBS format from Altro – as hard copy, on disk or on www.altro.com. These offer full guidance on completion of all aspects of a successful floor installation, from base preparation and underlays to jointing and coving.

For guidance to typical format, an abbreviated specification is shown below.

Resin flooring

NBS Plus model specification guides for M12 resin flooring are available in an NBS format from Altro, as hard copy, on disk or on www.altro.com.

Altro will also be pleased to produce written specifications for its range of resin flooring upon request.

Contact 01462 707600 for information.

Wall cladding

NBS style specifications for Altro Fortis and Altro Whiterock wall cladding systems are also available. Please request a copy on 01462 707600.



New Altro Design Studio in Manchester

This new hub, in the heart of Manchester, provides the perfect base for client meetings and small events thanks to its convenient central location.

Like our Altro Design Centre in London, the Altro Design Studio stocks product samples, technical information and displays to help you with your next installation.

Altro Design Studio

76 King Street, Manchester, M2 4NH

+44 (0) 1462 707604

Opening times:

Visits must be booked by appointment.

Life cycle costs

Independent analysis

You want a flooring or wall cladding solution that provides great value for money. It is essential to know how much products will cost over their expected lifespan; that's why we have commissioned an independent life cycle cost analysis, conducted by BWA Facilities Consultancy. The findings give a comparison of cost relationships between different flooring and walling materials. When reviewing these costs you will also need to take into account any special circumstances affecting:

- the subfloor or subwall
- the original flooring or walling material itself
- installation
- cleaning and maintenance
- disposal
- replacement
- level of use

Cost analysis

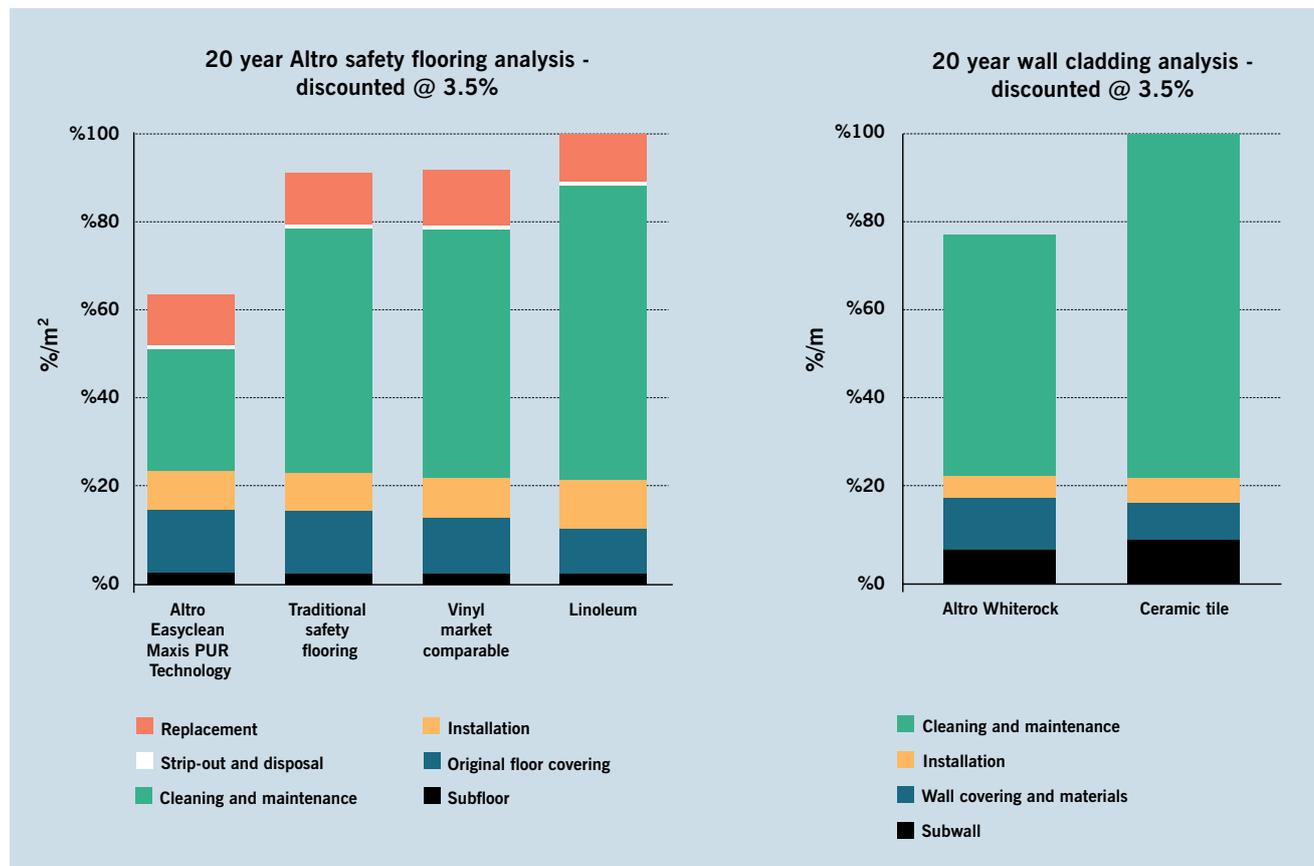
All of Altro's interior surfaces deliver impressive performance and value over their lifetime.

Life cycle cost calculation

The life cycle cost analysis carried out by BWA Facilities Consultancy is based around the current Government discount rate of 3.5% (as would be utilised in a PFI/PPP type contract context*). All original material costs were taken from trade price lists, with subfloor and installation costs obtained from Construction Industry price books. The anticipated life expectancy of the market comparable product was derived from the Building Maintenance Index (BMI)'s† latest published information. Cleaning materials and labour costs were based on an assumed national average. For further details, please contact Altro.

* *The Green Book - Appraisal and Evaluation in Central Government. Treasury Guidance.*

† www.bcis.co.uk



Penny Bayliss-Robbins, Artcare Team,
Salisbury District Hospital, UK

“ Altro were **really supportive** throughout the project. We felt in safe hands. We didn't have to worry if there was a problem - Altro were **always keen to help solve it.** ”

Morten Black, Manager,
Næstved Squash Centre, Denmark

“ I would definitely recommend Altro Aquarius to others, because I think the flooring lives up to its promises of **high quality, slip resistance and attractive design.** It is also worth remembering that Altro flooring is an **environmentally friendly choice,** with less of a negative impact on the natural world. All in all, **we are very pleased** with our new flooring. ”

Alan Jones, Capital Projects Manager
**Hereford and Worcester Fire and Rescue Service
(Malvern Fire Station), UK**

“ We had no hesitation in selecting Altro for the flooring and walling for the project. I have specified Altro before on a number of similar construction projects and they have **proven ideal** in terms of **quality, service and product appearance.** ”

Jörn Schattschneider, Technical Director
City Department of Augsburg, Germany

“ The quality of **processing, service, workmanship, durability and value for money** have led us to opt for Altro again. ”



Follow us:



Due to Altro's continual innovation and product development, please consult www.altro.co.uk or your local Sales Consultant for the latest product range information.

Printed on paper produced at a mill that is certified with the ISO14001 environmental management standard.

Produced at a mill that is certified to the EMAS environmental management standard (No FIN-000021)

FSC Mixed Sources product group from well managed forests and other controlled sources.

Altro Limited, Works Road, Letchworth Garden City, Hertfordshire SG6 1NW

☎ 01462 707600 📠 01462 707504 ✉ enquiries@altro.com 🌐 www.altro.co.uk

 , Altro, the future is safer with altro, Altro Aquarius, Altro Suprema, Altro Designer 25, Altro Walkway 20, Altro XpressLay, Altro Impressionist, Altro Marine 20, Altro Classic 25, Altro Unity 25, Altro Stronghold 30, Altro Atlas 40, Altro Wood Safety, Altro Wood Smooth, Altro Wood Smooth Acoustic, Altro Zodiac Smooth, Altro Nuvola Stratus, Altro Nuvola Cirrus, Altro Resin Systems, AltroSeal, AltroCoat, AltroShield SF, AltroTect, AltroCast, Altro Mosaic, AltroFlow, Altro Flexiflow, Altro TB Screed, Altro TB Rapicure, AltroScreed Quartz, Altro Multiscreed EP Naturals, AltroCrete PU Excel, AltroCrete PU Fast-Track, AltroFlow PUM, Altro Screed Resolve, AltroScreed Quartz Rapicure, AltroScreed Quartz Boutique, AltroScreed Quartz EP, AltroGrip, AltroGrip Quartz, Altro TB + Cast, AltroCrete, AltroStat SD, AltroProof Solo, AltroExpand, AltroPol, AltroPatch UFC, Altro Everlay, Altro Whiterock White, Altro Whiterock Chameleon, Altro Whiterock Digiclad, Altro Whiterock Splashbacks, Altro Whiterock Satins, Altro Fortis, Altro Fortis Titanium, Altro Whiterock Flexijoint, Altro Masic XT, AltroProof, Altroprime, AltroClean 44, AltroFix, Altro Easyclean Technology, Altro Easyclean Original, Altro Easyclean Maxis PUR and SampleExpress are trademarks of Altro Limited.

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TO ASSIST IN TRAINING, SOME CALLS MAY BE RECORDED