



altro

PRODUCT PORTFOLIO



altro

the future is safer with altro

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TO ASSIST IN TRAINING, SOME CALLS MAY BE RECORDED

2010

PRODUCT PORTFOLIO

2010

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www.altro.com



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



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the future is safer with altro

The company

Altro are a leading manufacturer and supplier of walling and flooring coverings, founded in the UK in 1919. Our success at home and abroad is due to determined innovation from our people - matching evolving needs for surfaces that are both decorative and practical.

Altro are the inventors of safety flooring. It's a product area in which the company continues to lead the way with ever more attractive and effective safety floors. However, over recent years we have introduced many other solutions for practical decorative interiors and we'll continue to invest for the benefits of our customers. The Altro range covers the full spectrum, with floors, walls, ceilings and doorsets.

The people

Altro's success is only made possible by its people. Through actively encouraging contribution from colleagues at all levels in the business, we continually improve our products and processes. We insist on the very best in working environments, training facilities, benefits, long-term security and, of course, personal health and safety. The reward for both the company and its customers is working with some of the finest people the global workforce has to offer.

Investing in you

Along with the highest quality products we believe our customers deserve an equally good standard of service and support. Our Customer Care Centre staff are technically trained and support our commitment to a consistently excellent experience wherever you are in the world. We can help with any query you have, from where to find a quality contractor to the latest colours in a new range.



Research and development

No one has a right to market leadership, unless it's earned. That's why we place so much importance on R&D - listening to customers' needs and innovating to provide a solution. Altro's transformation of safety flooring is the perfect example. Thanks to our advances in cleanability and new manufacturing techniques, our second generation safety floors are easy to maintain and look fantastic.

Committed to the highest international standards

As an international business with worldwide sales in the commercial, industrial and transport markets, Altro is committed to a uniform quality management system compliant with BS EN ISO 9001:2008.



Altro and the environment

Successful enterprise requires that all businesses take their responsibilities seriously whether architects, contractors or installers. A new business imperative requires responsibility to be seen in a much broader light: to communities and to the productive management of resources.

In the context of construction, this is about taking responsibility for the physical and environmental well-being of people and as a result the reputation and financial well-being of their customer's businesses.

To do this they must put responsibility for safety, hygiene and sustainability at the heart of their decision making. Altro have the know-how, innovation and commitment to safe environments.



The values we share

While Altro celebrate the individual in all our people, we also embrace a common set of values that inspires us to excel everywhere around the world.

Pioneering

As leaders and innovators we inspire each other, our stakeholders and customers, to look beyond the usual realms of expectation.

We are the pioneers in design and technology, creating market trends, delivering originality and innovation in every service and product.

Passionate

We constantly challenge our beliefs and boundaries, generating imaginative and original solutions, unconstrained by tradition and industry norms.

We believe in our knowledge and ability to deliver excellence as standard in everything we do.

Partnering

We have mutual trust with colleagues and customers alike, always demonstrating integrity, respect and listening to each other.

Working as one team, we endeavour to provide the highest quality products and services on time, every time.

Altro assurance

Altro assurance of customer satisfaction

The Altro Assurance of Customer Satisfaction is a unique expression of our commitment to being a high performance flooring and walling supplier, in all aspects of supply, service and support to our customers and specifiers. As part of the assurance, Altro offers product warranties on all our products, providing replacement material free of charge.

Here are some of the ways in which the Altro Assurance will work for you...

Proven products

Altro products are tested to ensure they meet such recognised, independent standards as ISO, EN, BS and DIN. Altro is an ISO 9001:2008 accredited company. Most Altro products are covered by warranties.

Specialist contractors

Throughout the United Kingdom, there are specialist contractors with detailed knowledge and experience of Altro products. These contractors are capable of installing Altro products to the highest standards.

Training & technical manuals

To help ensure that our own exacting standards of installation are maintained by contractors, we conduct in-house and on-site training. This practical guidance is supported by detailed installation instruction manuals which are freely available to contractors and to specifiers.

Technical services department

Our Technical Services Department enables us to provide a unique service to specialist contractors and specifiers. Members of the department have thorough knowledge of substrate technology, the many and diverse problems that can occur, the solutions to these problems and the installation techniques to be applied to Altro products.

Highly trained consultants

As you would expect, all Altro consultants are thoroughly familiar with the full range of Altro products. In addition, they sit examinations in flooring and walling technology, substrate preparation, correct installation techniques and detailing. Consequently they are well qualified to advise on the specification and installation of Altro products for interior surfaces.

The Altro Inspection Service

As part of our service to architects, to industry and to all customers, we offer The Altro Inspection Service. It is offered without charge or obligation. Where there are problems with an existing floor or wall or in response to a request for advice in specifying a new floor or wall, we are pleased to give detailed information on substrate preparation and the most suitable surface to meet your needs. The service includes a written specification and cost estimate for the recommended installation.

Site visits arranged

Experience has shown that many customers and specifiers are reassured by visiting an existing site to inspect the Altro floor or wall product they are considering. We can often arrange for a visit to a site where the product has been installed and in use for some time and, if possible, in a similar working environment. We are fortunate in having a large customer base from which to draw and in having our customers' willing co-operation.

Test areas

When it is felt necessary or specially requested, we can arrange to install a test area, either to satisfy ourselves that our product is suitable for your particular environment or to reassure you that the Altro floor or wall product you propose buying will meet your exact needs.

Availability

Altro products are available throughout the United Kingdom from Altro. Many of our flooring products can be obtained through a nationwide chain of distributors.

Maintenance & after sales service

After your new Altro floor or wall product has been installed, your Altro consultant is available to give advice on cleaning and maintenance to help ensure that it continues to give you complete satisfaction.

Commitment & customer satisfaction

Altro are committed to providing products and services to the highest possible standards. Please help us in this endeavour by telling us if we ever fail to give complete satisfaction.

Please note your statutory rights are not affected by the Altro Assurance of Customer Satisfaction. All contracts entered into by customers with the Company are subject to the Company's standard terms and conditions of sale, a copy of which is on the back of every invoice or may be obtained on request



our promise to deliver



altroassurance
the highest quality products & services

Technical support / product selector

selection criteria	safety flooring							smooth flooring										
	pg / 22	pg / 24	pg / 26	pg / 28	pg / 30	pg / 34	pg / 36	pg / 40	pg / 32	pg / 38	pg / 42	pg / 44	pg / 46	pg / 46	pg / 80	pg / 82	pg / 84	pg / 86
	Altro Timbersafe II	Altro Suprema	Altro Mirica	Altro Stonesafe II	Altro Maxis 25	Altro Walkway 20	Altro XpressLay	Altro Marine 20	Altro Designer 25	Altro Impressionist II	Altro Classic 25	Altro Stronghold 30	Altro Atlas 40	Altro Cordiale	AltroSmooth Ethos	AltroSmooth Synthesis	AltroSmooth Chrystalis	AltroSmooth Intrinsic
warranty in number of years	7	7	7	7	12	10	10	10	12	10	12	12	15	5	5	5	5	5
life expectancy guide in number of years	15	15	15	15	20	15	15	15	20	15	20	20	25	10	7-10	10	10	10
impact resistance @ 20°C	good	good	good	good	good	good	good	good	good	good	good	excellent	good	moderate	good	good	good	good
wear characteristics** (comm. = commercial) (ind. = industrial)	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy	commercial heavy, light industrial very heavy
slip resistance ≥ 36 when dry Potential for slips...	low	low	low	low	low	low	low	low	low	low	low	low	low	low	low	low	low	low
slip resistance ≥ 36 when wet Potential for slips...	low	low	low	low	low	low	low	low	low	low	low	low	low	low	n/a	n/a	n/a	n/a
cigarette burn resistance	low	low	low	low	low	low	low	low	low	low	low	low	low	moderate	low	low	low	low
sound absorption	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	good	satisfactory	satisfactory	satisfactory	good	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory
recommended service temperature minimum / maximum	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -30°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C
hygiene potential to prevent bacterial and fungal growth	good	good	good	good	good	good	good	good	good	good	good	good	good	good	satisfactory	satisfactory	satisfactory	satisfactory
ease of cleaning e.g. simple wash-down, or more careful scrubbing with special detergent systems	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	easy	easy	easy	easy
chemical resistance @ 20°C* dilute acids/alkalis for all other chemicals contact Altro for guidance	high	high	high	high	high	high	high	high	high	high	high	high	high	high	high	high	high	high
fire tests complies with...	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1	EN13501-1 B _{f1} s1
skirtings & wall finish compatibility	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting / self-coved skirting (roll / sheet)	skirting/self-coved skirting (roll/sheet) /	skirting/self-coved skirting (roll/sheet) /	skirting/self-coved skirting (roll/sheet) /	skirting/self-coved skirting (roll/sheet) /
thickness mm	2mm	2mm	2mm	2mm	2.5mm	2mm	2.2mm	2.5mm	2.5mm	2mm	2.5mm	3mm	4mm	2mm	2mm	2mm	2mm	2mm
format availability / application method	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet

Footnote:

*Please consult Altro Technical Services for full details.

**All Altro safety flooring and AltroSmooth products achieve Class rating up to and including Class 43 within EN685.

For LRV values please visit www.altro.com

Technical support / product selector

selection criteria	rubber flooring			resin systems				resin systems														
	pg / 90	pg / 92	pg / 94	pg / 76	pg / 60	pg / 52	pg / 70	pg / 74	pg / 64	pg / 64	pg / 64	pg / 62	pg / 66	pg / 68	pg / 54	pg / 54	pg / 56	pg / 58	pg / 58	pg / 72	pg / 72	
	Altro Mondofutura	Altro Mondopave	Altro Mondopave Slate	Altro SoloSafe Screed	AltroFlow ICS	AltroSeal PU / AltroSeal UVR	Altro Pebblestone	Altro Terrazzolite EP	AltroCast	AltroCast TB Screed	AltroCast Plus Quartz	Altro Mosaic †	AltroScreed Quartz EP †	Altro Multiscreed EP / Altro Pastelscreed EP /	AltroShield SF	AltroCoat	AltroTect	AltroFlow †	AltroGrip Plus †	AltroFlow PU M (Fast Track / Excel)	Altro PU HD (Fast Track / Excel)	
warranty in number of years	5	5	5	10	6	2	6	6	2	6	6	6	6	6	2	2	2	6	6	10	10	
life expectancy guide in number of years	10	10-15	15	10-20	10	5	10	10	5	10	10	10	10	10	5	5	5	10	10	15	15	
impact resistance @ 20°C	excellent	excellent	excellent	good	moderate	moderate	low	good	moderate	good	good	moderate/ good	good/ excellent	good/ excellent	moderate	moderate	moderate	good	good/ excellent	good	excellent	
wear characteristics** (comm. = commercial) (ind. = industrial)	general comm. / light ind.	heavy comm.	heavy comm.	general comm. / light ind.	general comm. / light ind.	general comm. / light ind.	light comm. / light ind.	general comm. / light ind.	general comm. / light ind.	general comm. / light ind.	heavy comm.	heavy comm.	heavy industrial	heavy industrial	general comm. / light ind.	general comm. / light ind.	general comm. / light ind.	heavy industrial	heavy industrial	heavy industrial	heavy industrial	
slip resistance ≥ 36 when dry potential for slips...	low	low	low	please consult Altro technical services for full details of slip resistance grades				please consult Altro technical services for full details of slip resistance grades														
slip resistance ≥ 36 when wet potential for slips...	n/a	n/a	n/a	low	high	n/a	moderate	n/a	low	moderate	low	moderate	moderate	moderate	n/a	n/a	n/a	moderate/ high	low	moderate	low	
cigarette burn resistance	good	good	good	good	poor	poor	poor	poor	poor	good	poor	good	poor	poor	poor	poor	poor	poor	poor	poor	poor	
sound absorption	satisfactory	satisfactory/ good	satisfactory/ good	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
recommended service temperature	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°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. 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. 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. +120°C*	
hygiene potential to prevent bacterial and fungal growth	satisfactory	satisfactory	satisfactory	good	good	good	satisfactory	good	satisfactory	good	good	good	good	good	good	good	good	good	good	satisfactory	good	good
ease of cleaning e.g. simple wash-down, or more careful scrubbing with special detergent systems	moderate	moderate	moderate	moderate	easy	easy	moderate	moderate	moderate	easy	moderate	moderate	moderate	easy	easy	easy	easy	easy	easy	moderate	easy	easy
chemical resistance @ 20°C* dilute acids/alkalis for all other chemicals contact Altro for guidance	high	high	high	moderate	moderate	high	low	low	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	moderate	high	high
fire tests complies with...	EN13501-1	EN13501-1	EN13501-1	please consult Altro technical services for full details				please consult Altro technical services for full details														
skirtings & wall finish compatibility	skirting / self-coved skirting (roll / sheet)	skirting	skirting	in-situ	in-situ	in-situ	sit-on	sit-on	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ	in-situ
thickness mm / microns	2mm	2.5mm - 4mm	3.5mm	4mm - 6mm	3mm	90 - 180 microns	6mm	6mm	1mm - 4.5mm	3mm	4.5mm	1mm - 4mm	4mm - 6mm	4mm - 6mm - 9mm	120 - 300 microns	90 - 180 microns	250 - 500 microns	1-3mm, 5mm	1mm - 6mm	4mm	6mm - 9mm	
format availability / application method	roll/sheet	tile	tile	trowel	trowel	roller	trowel	trowel / grind / polish	roller	roller / trowel	roller / trowel	roller / trowel	roller / trowel	roller / trowel	roller	roller	roller	trowel	roller / trowel	trowel	trowel	

Footnote:
*Please consult Altro Technical Services for full details.
**Please contact Altro Technical services for class classifications of Altro Mondopave products

For LRV values please visit www.altro.com

Technical support / product selector

selection criteria	sports flooring					sd flooring		hygienic pvcu walls, ceilings & doorsets								
	pg / 106	pg / 98	pg / 100	pg / 102	pg / 104	pg / 108	pg / 108	pg / 112	pg / 116	pg / 118	pg / 120	pg / 118	pg / 122	pg / 124	pg / 126	pg / 128
	AltroSmooth Chrysalis	Altro Mondo flex I & II	Altro Mondo sport I & II & Wood	Altro Mondo Sportflex	Altro Mondo Ramflex	Altro Walkway 20 Static Dissipative	AltroStat Static Dissipative	Altro Whiterock Chameleon	Altro Whiterock Splashbacks	Altro Whiterock Stone	Altro Whiterock Safins	Altro Whiterock Illusions	Altro Whiterock Extruded Sheet - White	Altro Whiterock QuickClad	Altro Whiterock Ceilings	Altro Whiterock Doorsets
warranty in number of years**	5	5	5	5	5	10	6	20	20	20	20	20	20	20	10	10
life expectancy guide in number of years	10	10-15	10-15	10-15	15	15	10	25	25	25	25	25	25	25	25	25
impact resistance @ 20°C	good	excellent	good/ excellent	excellent	excellent	good	good	good	good	good	good	good	good	good	moderate	excellent
wear characteristics (comm. = commercial) (ind. = industrial)	see below under 'sports usage'					commercial heavy, light industrial very heavy	heavy industrial	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	gen. comm / light ind. / heavy comm.	n/a	gen. comm / light ind. / heavy comm.
slip resistance ≥ 36 when dry Potential for slips...	low	low	low	low	low	low	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
slip resistance ≥ 36 when wet Potential for slips...						low	moderate / high	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
static dissipative performance	n/a	n/a	n/a	n/a	n/a	EN1081 EN1815	to BS2050 Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
cigarette burn resistance	poor	good	poor	good	good	poor	poor	poor	poor	poor	poor	poor	poor	poor	n/a	poor
sound absorption	satisfactory	good/ very good	satisfactory/ good	good	good	good	good	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	good	satisfactory
recommended service temperature	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -20°C max. +60°C	min. -0°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C	min. -10°C max. +60°C
hygiene Potential to prevent bacterial and fungal growth	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	good	good	high	high	high	high	high	high	high	high	high
ease of cleaning e.g. simple wash-down, or more careful scrubbing with special detergent systems	easy	moderate	easy	moderate	moderate	moderate	easy	easy	easy	easy	easy	easy	easy	easy	easy	easy
chemical resistance @ 20°C* Dilute acids/alkalis. For all other chemicals contact Altro for guidance	high	high	high	high	high	high	moderate	high	high	high	high	high	high	high	high	high
fire tests Complies with...	EN13501-1 Bfl s1	DIN1402	DIN1402	DIN1402	DIN1402	EN13501-1 Bfl s1		BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7	BS476, Part 7, Class 1	BS476, Part 6 / BS476, Part 7	BS476, Part 6 / BS476, Part 7
sports	general / mixed use	general / mixed use	general / mixed use	general / mixed use / indoor tracks	weight lifting / gym	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
skirtings & wall finish compatibility	n/a	n/a	n/a	n/a	n/a	skirting / self-coved skirting (roll / sheet)	n/a	full wall finish	full wall finish	full wall finish	full wall finish	full wall finish	full wall finish	full wall finish	n/a	n/a
thickness mm / microns	2mm	4mm & 7.5mm	2.5mm, 4.5mm 8mm	4.5mm - 10mm	8mm	2mm	3mm	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm	10mm	9mm	51mm
format availability / application method	roll/sheet	roll/sheet	roll/sheet	roll/sheet	roll/sheet / tile	roll/sheet	trowel	sheet	sheet	sheet	sheet	sheet	sheet	sheet	plank	doorset

Footnote:
*Please consult Altro Technical Services for full details.
**Warranty period does not apply to static dissipative properties.

For LRV values please visit www.altro.com

What are we obliged to do by law?

As an employer...

What does the law require the modern employer to do about reducing the potential of slips and trips?

"The law requires that floors must not be slippery, so they put people's safety at risk"

HSE – "Assessing the slip resistance of flooring"

The HSE has embarked on a Priority Programme to reduce slips by ensuring clients and specifiers assess risks and put preventative measures in place. This programme includes advertising, education and enforcement action.

(Visit www.hse.gov.uk/slips for more information.)



Bedford Modern School



Frimley Park Hospital

Slips and trips

Specify safety flooring in circulation areas

According to the Health & Safety Executive slips and trips:

- Are the most common cause of injuries in UK workplaces
- Cause almost 11,000 major injuries each year
- Cost employers over £500 million each year
- Cost the health service £133 million each year
- Cause 55% of all accidents in education



the growing awareness

Of all the accidents that occur in the UK, slips and trips are the most common, causing over 36% of all accidents that lead to injury.

One slip or trip accident occurs every three minutes!

As a designer...

The client, specifier and supplier all have a role to play. Since these regulations were updated in April 2007, the designer has had a legal duty to ensure the safety of people using their buildings.

Designers now have a legal responsibility to "avoid foreseeable risks to the health and safety of any person using a structure designed as a workplace." Designing buildings to avoid the risk of slips and trips is therefore an important obligation, covered by UK law.

According to the the Construction (Design and Management) (CDM) Regulations 2007, the designer must:

- Make clients aware of their duties
- Give due regard to health and safety in design work
- Provide adequate information about the health and safety risk of the design to those who need it
- Co-operate with the planning supervisor and, where appropriate other designers involved in the project

Make the floor a priority - the danger area for slips

The floor surface in any environment is vital to the successful reduction of slips. If you can minimise risk in this area you are well on your way to creating an accident free zone.

Things to be aware of when assessing the potential slipperiness of floors:

- Leaks, spills and splashes
- Wet processes
- Rain, mud
- Unsuitable entrance matting
- Sloping surfaces
- Wet floors following cleaning
- Unsuitable footwear for floors
- Unsuitable floors (e.g. glossy or polished surfaces)
- Dust and other dry contaminants
- Leaking roofs or condensation from pipework

How the slipperiness of a floor can change

Even a floor with little grip may pose no threat in perfect physical conditions. However, conditions can change and have a marked affect on the slipperiness of a floor.

Precision assessment of slipperiness

The Health and Safety Executive (HSE) / Health and Safety Laboratory (HSL) has developed a reliable method of measuring slip risk based on the results of two separate tests. The HSE recommend these tests because they give consistent results and are portable, so they can measure slip potential on site at any time during the floor's life.

Pendulum

The 'pendulum' coefficient of friction test is based on a swinging, dummy heel (using a standardised rubber soling sample) which sweeps over a set area of flooring in a controlled manner. The slipperiness



of the floor has a direct and measurable effect on the pendulum value (known as the 'slip-resistance value', 'pendulum test value' or British pendulum number').

Surface microroughness meter

An indication of slipperiness may be simply obtained by measuring the surface roughness of flooring materials. This test uses a microroughness meter which measures in Rz microroughness values (microns).



This test is suggested by the HSE to be used to examine slipperiness in small, localised floor areas, in conjunction with the pendulum test or the slip assessment tool when required.



Tests to be aware of

In most circumstances, both pendulum Coefficient of Friction (CoF) and surface microroughness readings are required to give an accurate indicator of floor surface slipperiness.

Results should be interpreted using the information in Tables 1 and 2.

Table 1

Potential for slip classification, based on pendulum test values.

Pendulum value	Potential for slip
0 - 24	High
25 - 35	Moderate
36 +	Low

The minimum HSE guideline for slip resistance in potential wet areas (water contamination) is a pendulum measurement of 36 or above. All Altro safety floors exceed this level of slip resistance.

Table 2

Potential for slip classification, based on Rz microroughness values (application for water-wet low activity pedestrian areas.)

Rz surface roughness (microns)	Potential for slip
Below 10	High
10 or above (but below 20)	Moderate
20 or above	Low

A surface roughness of 20 microns or above implies low slip risk.

'As New' floor measurements can become obsolete in weeks

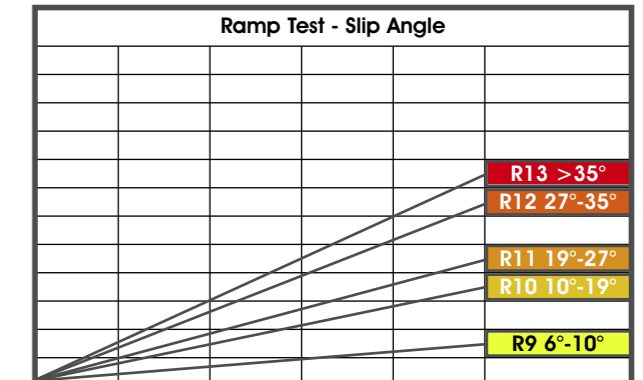
Many supposed slip-resistant floors have a factory-finished coating which may wear off to leave a less slip resistant surface.

The ramp test

The ramp test (DIN 51130) is widely used outside the UK and its 'R' values are quoted by most flooring companies. While the ramp test is a useful measure (R9-R13 are based on angle measurements on a ramp where the operator stands in oil), it cannot be replicated on site.



The Health and Safety Laboratory does not recommend this standard as comparisons can not be made on site, when a slip has occurred on a floor which has been installed for a period of time. A commonly held misconception is that R9 shows a relatively high level of slip resistance. In fact, this is the lowest value in the 'R' scale with a slip angle of only 6°.



Slips and trips

All Altro safety floors exceed the minimum slip resistance standards of the HSE. With unique developments in cleanability and colour retention, Altro offer floors that look great and hold their appearance and, if properly

maintained, their slip resistance for years – even in high traffic areas like receptions and corridors. "How to reduce risk of slipping" CPD is available online at <http://onlinecpd.ribaenterprises.com>



Assessing the risk: a tool to help - The HSE Slips Assessment Tool (SAT)

To help you complete your risk assessment, the HSE and HSL have developed a tool to help users risk-assess slip hazards in their workplace. The SAT is made up of two parts: a computer program – which can be downloaded from the HSE Slips and Trips website www.hse.gov.uk/slips - and a roughness meter. When used together they will allow you to produce a quantitative estimate of the slip risk on different types of floor.

SAT is designed to assist in the decision making process when considering the risk of slipping in a defined area. However, it should not be relied upon when considering the performance of the flooring alone. In this instance, pendulum test data should be sought from the manufacturer. The SAT is a very useful tool to help you become familiar with common slip-resistance test methods.



Find out what action you can take today, request 'Slips & Trips: The essential modern guide to prevention'.

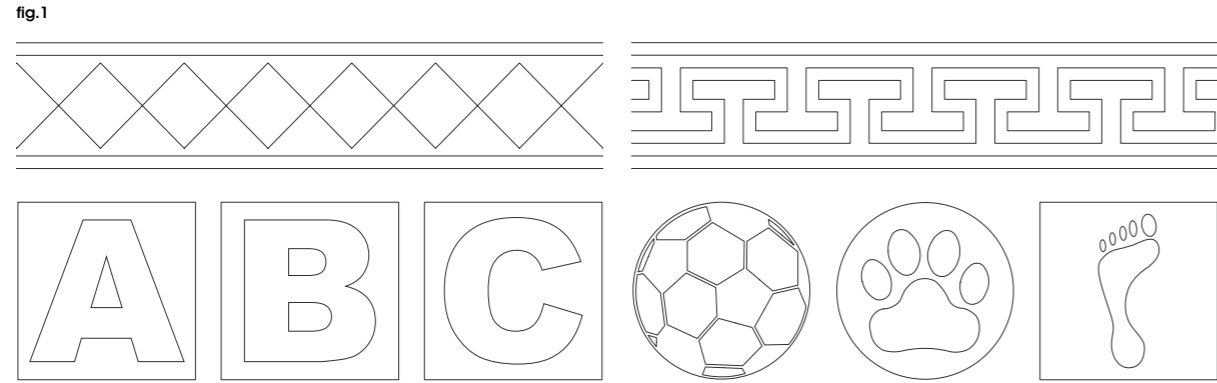
Just call: **01462 707607**
e-mail: slips&trips@altro.com
explore: www.altro.com



Altro Art

Pick from the broad Altro range. We'll then work closely with you and your flooring contractor to ensure all your requirements can be effectively realised on site. All with the assurance of Altro performance. A range of pre-cut patterns are also available (see fig.1).

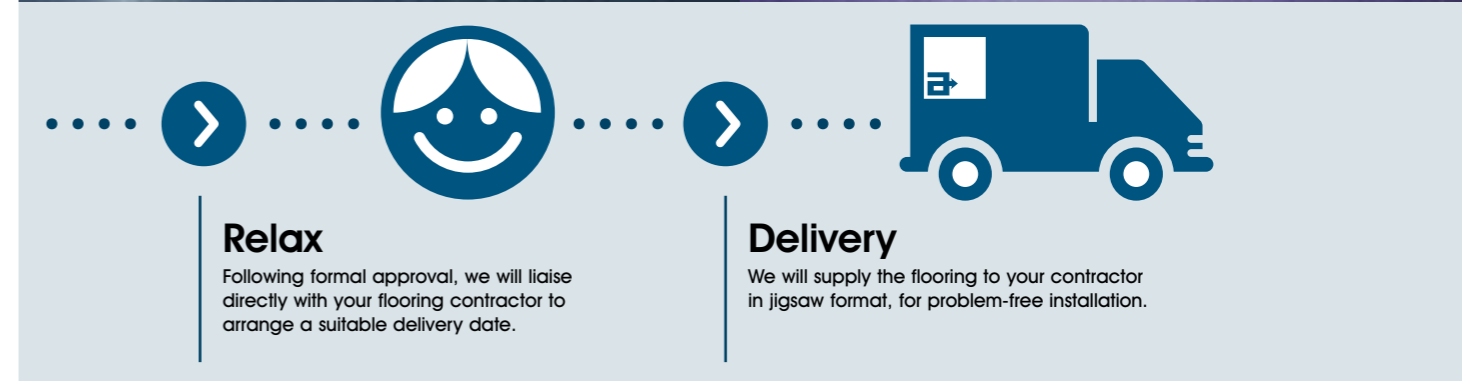
DDA compliant
Under Disability Discrimination Act (DDA) regulations, potential hazards require visible boundaries, highlighting their position to visually impaired users.



Lister Hospital



Reading Football Club



Products LRV

11	41	9	39	14	46	6	40	6	41
Altro Timbersafe II Rich Walnut	Altro Suprema Minerva	Altro Suprema Njord	Altro Mirica Kraken	Altro Suprema Thor	Altro Suprema Mercury	Altro Maxis 25 Galaxy	Altro Maxis 25 Merit	Altro Walkway 20 Black	Altro Walkway 20 Cloud

Light Reflectance Values measured in accordance with BS8493:2008
NB. Light Reflectance Values are an average, exact LRV ratings cannot be guaranteed.



Katajanokka Terminal

safety flooring / trusted, tested, proven

Altro's unique achievements in product design, cleanability and colour retention have revolutionised the specification of safety flooring. The way we test our products provides reassurance that our floors are easier to clean than ever.



Altro are a founder member of Recofloor; an industry vinyl take-back scheme. Altro are the only manufacturer able to recycle safety flooring in house and the sole recycler for Recofloor.

As pioneers of the recycling of safety flooring,

View case studies at www.altro.com

For information about legal obligations and HSE guidelines, see pages 14-17.

For more information on life cycle costs, see page 136 or contact Altro on 01462 707 600



Cross House Hospital



Rustic Pine TS2012



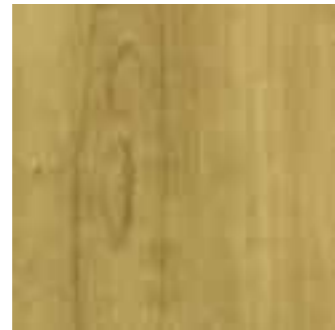
Rich Walnut TS2015



Traditional Oak TS2009



Mellow Beech TS2011



Fruit Wood TS2014



Classic Oak TS2008



Golden Beech TS2010



Warm Cherry TS2013



Blond Oak TS2007



MHA Western Queensway Care Home

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

NEW PRODUCT

safety / Altro Timbersafe™ II

Altro Timbersafe II

Without compromising beauty or slip resistance, Altro has brought together the worlds of wood-look flooring and safety. So, you can specify the warm appearance of a wood floor for busy public areas such as corridors, shops, wards,

cafes and receptions whilst remaining assured that you have chosen a true safety product. And, thanks to the revolutionary Altro Easyclean Maxis™ Technology, you have a safety floor that's easy to clean too.



 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

superior colour retention
The revolutionary **altroeasyclean**
MAXIS™
Technology
Patent No. GB2362663
superior cleanability
independently proven
to outperform other
leading safety floors

Please see Product Selector Chart on page 8 for full details.

Dimensions: 25.64m x 1.56m

Format: Roll

Thickness: 2mm



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www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

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For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Balder SU2018

Njord SU2016

Orpheus SU2008

Thor SU2014



Ull SU2019

Zeus SU2002

Jupiter SU2006

Valhalla SU2017



Minerva SU2009

Freja SU2013

Aphrodite SU2011

Mercury SU2010



Helios SU2004

Poseidon SU2003

Apollo SU2005

Pegasus SU2012



Heimdall SU2020

Odin SU2015

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Bedford Modern School

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



safety / Altro Suprema™

Altro Suprema

Altro Suprema boasts a subtle, understated look that accentuates your design scheme.

Altro Suprema is ideal for receptions, corridors and general circulation areas everywhere.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845



independently proven to outperform other leading safety floors

Please see Product Selector Chart on page 8 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



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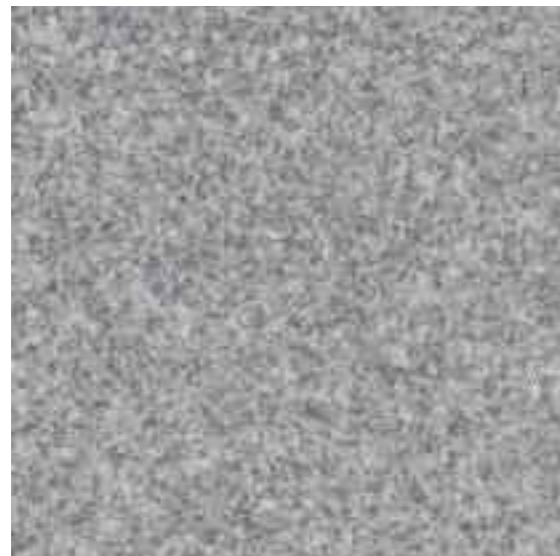
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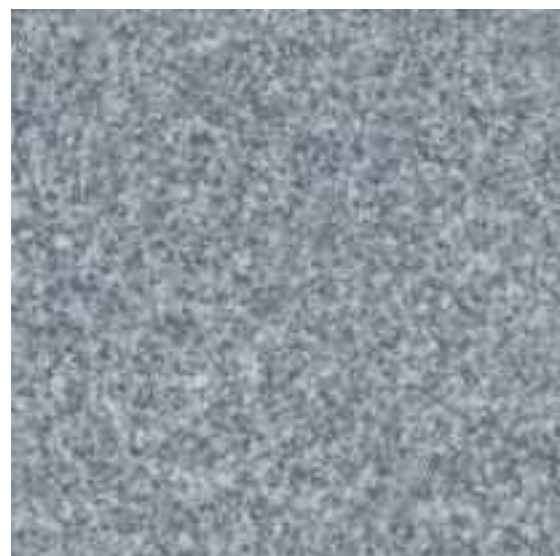




Unicorm MC2001



Kraken MC2002



Hydra MC2003



Griffin MC2004



Phoenix MC2005



Minotaur MC2006

For a seamless appearance, colour matched weldrods and mastics are available.

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Sir John Colfox School

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



safety / Altro Mirica™

Altro Mirica

Altro Mirica is a safety floor ideally suited to high traffic zones such as corridors and reception areas. A unique pattern, combined with our integrated Altro EasyClean Maxis™ Technology, means Altro Mirica looks

good from dawn until dusk despite everyday scuff marks and soiling.

Available in six attractive colour options, it's designed to work in perfect harmony with Altro Suprema.



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	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

superior colour retention
The revolutionary **altroeasyclean**
MAXIS™
Technology
Patent No. GB2362663
superior cleanability
independently proven
to outperform other
leading safety floors

Please see Product Selector Chart on page 8 for full details.

Dimensions: 25.64m x 1.56m

Format: Roll

Thickness: 2mm



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Cretian SN2005



Kaolin SN2006



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












safety / Altro Stonesafe™ II

Altro Stonesafe II

Altro has brought together the worlds of stone-look flooring and safety. You can have a natural, polished concrete look floor for real impact in customer-facing public areas whilst remaining assured that

you have chosen a true safety product. And, thanks to the revolutionary Altro Easyclean Maxis™ Technology, your floor will be easy to clean and stay looking great for longer.

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685	
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685	EN13845
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845		

superior colour retention



superior cleanability

independently proven to outperform other leading safety floors

Please see Product Selector Chart on page 8 for full details.

Dimensions: 25.64m x 1.56m

Format: Roll

Thickness: 2mm




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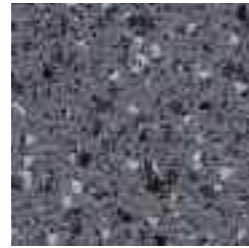


For a seamless appearance, colour matched weldrods and mastics are available.

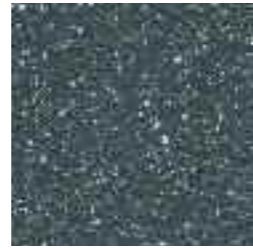
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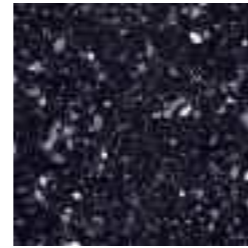
Epic MXI25212



Fusion MXI25208



Calibre MXD25201



Galaxy MXI25219



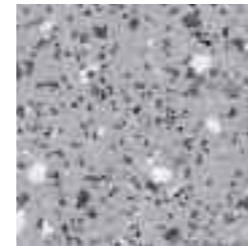
Sovereign MXD25214



Pinnacle MXD25204



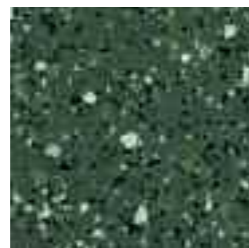
Legend MXD25215



Universe MXI25209



Merit MXD25207



Vallant MXI25218



Vanquish MXI25211



Summit MXD25206



Meridian MXI25216



Enterprise MXI25220



Endeavour MXI25210



Leventhorpe School

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



safety / Altro Maxis™ 25

Altro Maxis 25

The 2.5mm thick Altro Maxis 25 contains Altro Easyclean Maxis™ Technology for superior cleanability and colour retention. It is ideal for high-traffic areas, such as corridors, stairs, shops and

restaurants, where an attractive appearance and safety underfoot are critical.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

superior colour retention

superior cleanability

independently proven to outperform other leading safety floors

Please see Product Selector Chart on page 8 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2.5mm



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product information:

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For a seamless appearance, colour matched weldrods and mastics are available.

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Jef D2501



Midnight D25421



Teal D25906



Storm D25903



Twilight D25910



Skyline D25332



Fog D25153



Bone D25215



Biscuit D25904



Rosa D25905



Victoria D25908



Rust D25907



Aldershot Sports centre

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



safety / Altro Designer™ 25

Altro Designer 25

A 2.5mm thick safety flooring, which includes coloured quartz crystals in exciting base colours to enhance any interior scheme. The long-term durability and excellent slip

resistance are complemented by Altro Easyclean™ Technology for a lasting attractive appearance.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845



no.1 in independent field trials



Please see Product Selector Chart on page 9 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2.5mm



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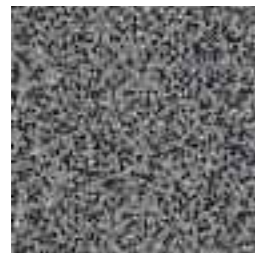
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product information:

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Fog VM20153*



Cloud VM2014



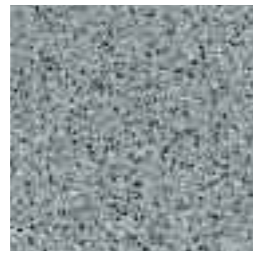
Avocado VM20924



Bone VM20215



Dolphin VM2010



Waterfall VM20912



Skyline VM20332



Biscuit VM20907



Midnight VM20421



Blue VM20412



Pesto VM20921



Maize VM20908



Black VM20892



Tundra VM20910



Buffalo VM20925



Terracotta VM20922



Kelp VM20923



Cherry VM20920

For a seamless appearance, colour matched weldrods and mastics are available.

*INDICATES STATIC DISSIPATIVE GRADES AVAILABLE. FOR CODES 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.

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Hitchin Football Club

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



safety / Altro Walkway™ 20

Altro Walkway 20

Popular 2mm flooring for excellent durability in a wide range of locations where health and safety standards and CDM regulations* dictate underfoot safety.

- Incorporates bacteriostat for enhanced hygiene

* See pages 14-15 for more details.

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	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

Please see Product Selector Chart on page 8 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



no.1 in independent field trials



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product information:

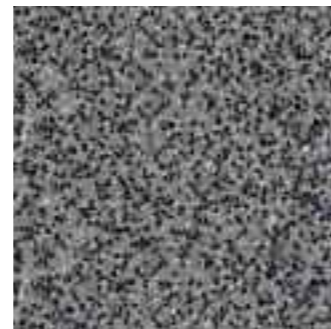
Tel: 01462 707 600 E-mail: enquiries@altro.com



Black VM20892



Dolphin VM2010



Fog VM20153*



Skyline VM20332



Blue VM20412



Cloud VM2014



Bone VM20215



Cherry VM20920



Skinners Academy

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

NEW PRODUCT

safety / Altro XpressLay™

Altro XpressLay

The first ever adhesive-free safety floor, designed to save you time, money and problems. Altro XpressLay has all the credentials of Altro Walkway™ VM20 flooring and performs to safe

industry-leading standards. It provides excellent durability in a wide range of locations and incorporates a bacteriostat for enhanced hygiene. Altro XpressLay is the first adhesive-

free safety floor. Fully recyclable, it has a unique underside emboss and may be speedily laid over new concrete floors with up to 97% relative humidity.

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
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	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845



no.1 in independent field trials



Please see Product Selector Chart on page 8 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



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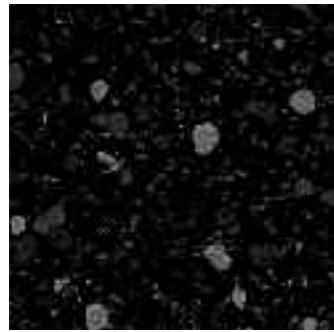
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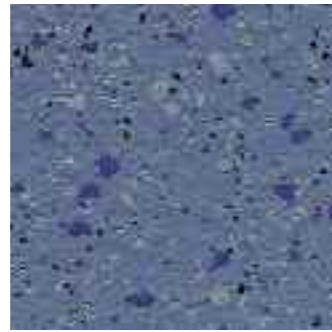
Tel: 01462 707 600 E-mail: enquiries@altro.com

*INDICATES STATIC DISSIPATIVE GRADES AVAILABLE. FOR CODES 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.

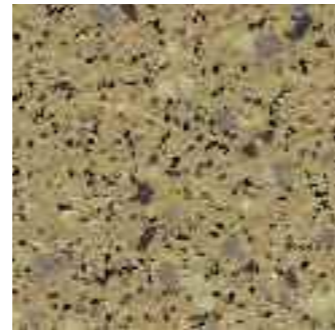
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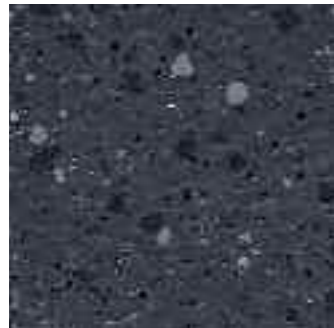
Ebony IP2001



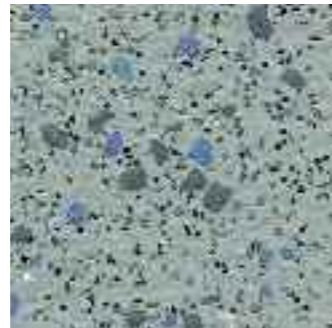
Tranquil IP2017



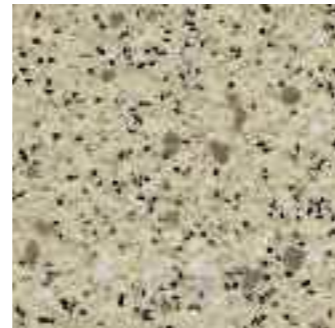
Adobe IP2008



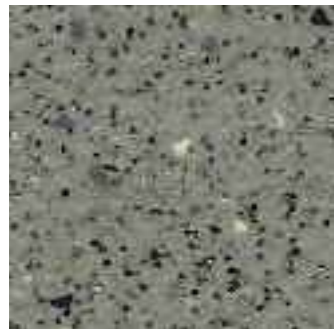
Mineral IP2003



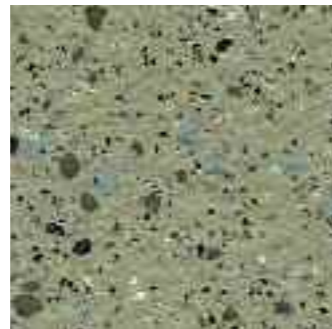
Aqua IP2018



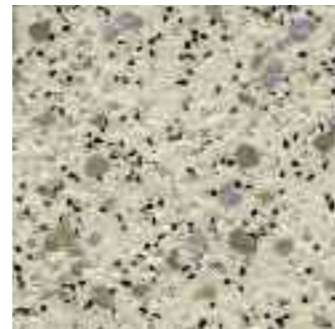
Canvas IP2009



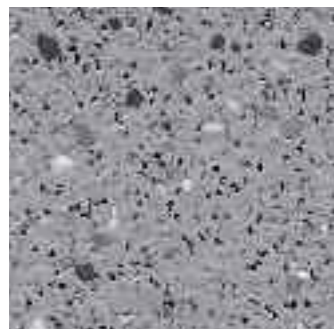
Ore IP2004



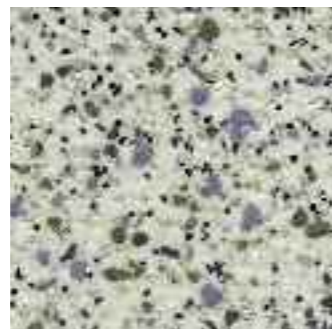
Zen IP2015



Arctic IP2012



Lunar IP2005



Oasis IP2011



Stucco IP2013



Garmisch Dog Kennels

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



safety / Altro Impressionist™ II

Altro Impressionist II

A decorative yet practical 2mm thick safety flooring for medium to high traffic areas. The inclusion of coloured chips within a complementary background enables adjacent floor and wall finishes to be co-ordinated.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845



no.1 in independent field trials



Please see Product Selector Chart on page 9 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

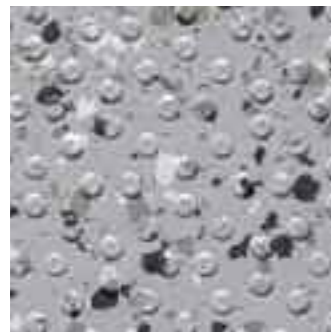
product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

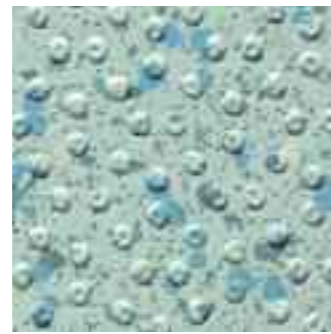
samples@altro.com

For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Steam IPT20807



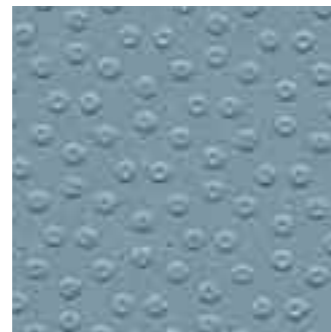
Rainfall IPT20810



Cascade IPT20809



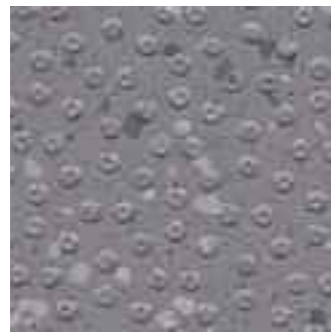
Gull T20813



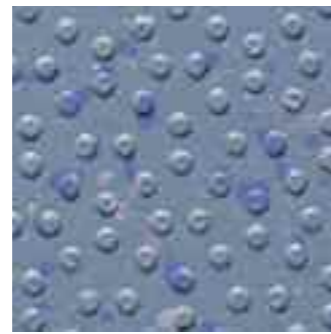
Marlin T20811



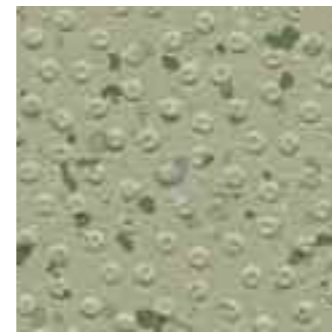
Reef T20801



Shark IPT20812



Tide IPT20808



Seagrass IPT20814



The complete hygienic flooring & walling solution

Altro Whiterock Wall Cladding is frequently specified to complement Altro Marine for shower/wet areas. Refer to pages 110-121 and 148-149.



Fen IPT20815



Evangelical Training Centre, Germany

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



safety / Altro Marine™ 20

Altro Marine 20

This carefully textured 2mm thick surface is specifically designed for safety with wet, bare feet or soft soled footwear. It is ideal for shower and drying areas, swimming pool and whirlpool surrounds, swimming pool changing rooms

and other wet areas requiring slip resistance. The inclusion of coloured chips and grains enables it to be co-ordinated with Altro Walkway or Altro Impressionist II in adjacent areas.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845



Please see Product Selector Chart on page 8 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

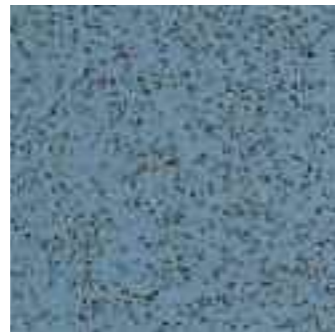
Tel: 01462 707 600 E-mail: enquiries@altro.com

For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Anvil X2594



Blue X2541



Mushroom X2542



Pewter Grey X2539



Moss X2533



Walnut X2586



Quarry Red X2560



Bulford Army Camp

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



safety / Altro Classic™ 25

Altro Classic 25

Altro Classic 25 is the original slip-resistant safety flooring. It combines silicon carbide in the surface and aluminium trioxide throughout the thickness for lasting slip resistance.

It is a popular choice providing a durable, slip-resistant floorcovering.

- Incorporates bacteriostat for enhanced hygiene

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

Please see Product Selector Chart on page 9 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2.5mm



no.1 in independent field trials



For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



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www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



The complete hygienic flooring and walling solution

Altro Whiterock Wall Cladding is frequently specified to complement Altro Stronghold 30 as an all-round impervious, high performance solution. Altro Whiterock wall and ceiling systems are ideal for areas requiring a durable, easy to clean, grout-free finish, which conform to EU hygiene standards. View page 110-129 for more details.



For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Arsenal Football Club

safety / Altro Stronghold™ 30

Altro Stronghold 30

A 3mm thick flooring designed for safety in wet and greasy conditions where frequent spillage is likely. Altro Stronghold 30 is resilient and comfortable to walk on, with good acoustic properties.

It combines excellent slip resistance with long term durability and ease of cleaning.

- Incorporates bacteriostat for enhanced hygiene

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



 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

Please see Product Selector Chart on page 9 for full details.

Dimensions: 15m x 2m

Format: Roll

Thickness: 3mm



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



no.1 in independent field trials



Altro Atlas 40



Anvil X4094



Quarry Red X4060



Walnut X4086



Pewter Grey X4039



Mushroom X4042

Altro Cordiale



Black CD20892



Midnight CD20421



Skyline CD20332



Fog CD20153



Blue CD20412



Bone CD20215

For a seamless appearance, colour matched weldrods and mastics are available.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Leicester Rail Station

The Sorrento, Sydney

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



safety / Altro Atlas™ 40 / Altro Cordiale™

Altro Atlas 40

At 4mm thick, Altro Atlas 40 is the toughest Altro safety flooring. It is suitable for a wide range of heavy duty locations (except fork lift traffic areas, where Altro resin systems are ideal).

- Incorporates bacteriostat for enhanced hygiene

Altro Cordiale

Our extensive ranges of safety flooring offer an industry leading combination of performance and low life cycle costs. This product fulfils the need for resilience and safety where, for specific reasons, vinyl flooring is not appropriate.

 EN14041 0120 GB06/72664 Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom	 Castor chair continuous use EN 425	 Water tightness EN 13553	 Classification Class 34 Commercial very heavy EN 685
	 Resistance to Chemicals EN 423	 Slip Resistance EN 13893	 Classification Class 43 Industrial Heavy EN 685
	 Reaction to fire EN 13501-1	 Enhanced Slip EN 13845	EN13845

Please see Product Selector Chart on page 9 for full details.

Dimensions: Altro Atlas 40 - 12.5m x 2.0m | **Format:** Roll
 Altro Cordiale - 20m x 2m

Thickness: Altro Atlas 40 - 4mm
 Altro Cordiale - 2mm



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



no.1 in independent field trials



Altro Atlas 40



Altro Cordiale





resin systems / where function meets design

A combination of hygiene and robust performance, Altro Resins offer designers and specifiers the choice they need for lasting impact within a wide spectrum of environments.

Robust and versatile, resins are equally at home in high-street boutiques, bakeries and kitchens, warehouses

and a wide range of factories. Altro's long experience in formulating resins in its own specialist laboratories is your assurance of optimum performance. A unique, 6 year product warranty is offered on most resin systems.



Resin Flooring Range of the Year
(3rd year running)



If you want to combine long-term reliability and ease of maintenance with value for money and attractive appearance, resin could be just what you're looking for.

- Comprehensive range of polyurethane and epoxy resins from seals and coatings to flow applied and screed products
- Many colours and finishes, plus bespoke solutions to meet your requirements
- Superb functional performance
 - impact and point loading resistance
 - chemical resistance
 - flexibility to accommodate movement, e.g. mezzanine floors
 - strength and durability
 - slip resistance (with suitable inclusions)
 - unique 6 year warranty on most resin systems
- Seamless, impervious, coveable and easy to clean for hygienic and clean room environments
- Steam cleanable grades available
- Static dissipative grades available
- Rapid or slow cure
- Choice of solvent-based and solvent-free/low odour formulations
- Contains bacteriostat for enhanced hygiene

Resin floor classifications

The Federation of Resin Formulators & 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.



type	description	notes
FeRFA 1	Floor Seal	2 coats up to 150 micron final thickness, solvent or water borne
FeRFA 2	Floor Coating	2 or more coats at 100 micron each, solvent-free or water borne
FeRFA 3	High Build Floor Coating	2 or more coats at 300 - 1000 micron final thickness, solvent-free
FeRFA 4	Multi-layer Flooring	Floor coating or flow applied, multi-layers to 2mm, aggregate dressing
FeRFA 5	Flow Applied Flooring	2-3mm thickness, self smoothing, smooth or dressed surface
FeRFA 6	Screed Flooring	4mm thickness, heavily filled, trowel finished, usually surface sealed
FeRFA 7	Heavy Duty Flowable Flooring	4-6mm thickness, aggregate filled, smooth or dressed surface
FeRFA 8	Heavy Duty Screed Flooring	6mm thickness, aggregate filled, trowel finished, system applied, impervious throughout

Typical resin floor cross sections (not to scale)

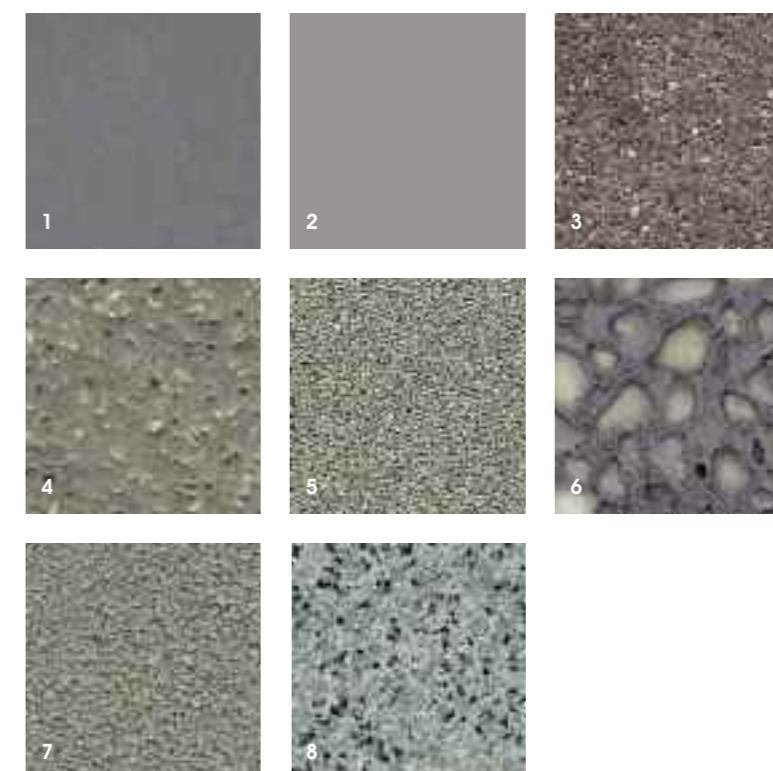
Resin Seals and Coatings (90 micron - 500 micron)
(90 microns = thickness of a sheet of A4 copy paper)



Resin Flow Applied Screeds (1mm - 5mm)



Trowel Applied Screeds (4mm - 9mm)



Selecting resin textures and finishes

We have 28 colour bases (plus new vibrant colours) to be combined with a wide range of textures and finishes. These are demonstrated opposite against a single colour. Each will achieve a different look, feel and level of performance.

- | | |
|---------------------------|---------|
| 1 / AltroFlow PU M | page 73 |
| 2 / AltroGrip Plus | page 59 |
| 3 / Altro Multiscreed EP | page 69 |
| 4 / AltroCrete PU HD | page 73 |
| 5 / AltroCast | page 65 |
| 6 / Altro Terrazzolite EP | page 75 |
| 7 / AltroScreed Quartz EP | page 67 |
| 8 / Altro SoloSafe | page 77 |



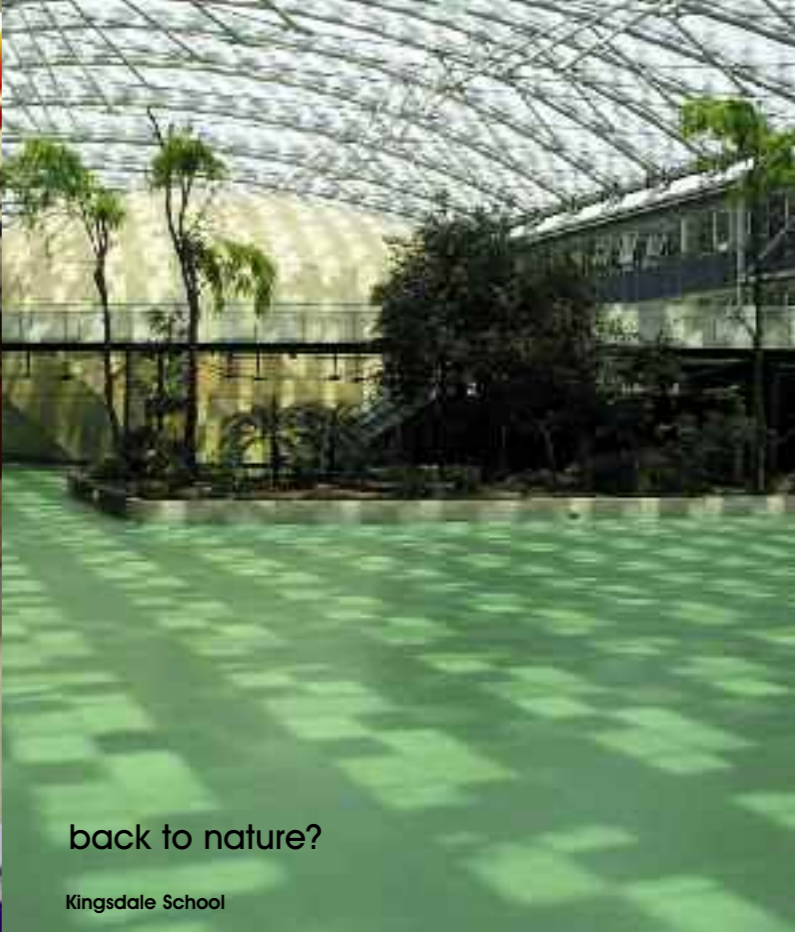
a surface without limits

If what you're looking for isn't among our wide range of standard colours and finishes, together we'll create exactly what you need. If your vision is artistically driven, function led, or both, we can produce a resin just for you.



walk this way?

Journey Shoes



back to nature?

Kingsdale School

build your own resin system

Why don't you build your own resin system? Choose a background colour, select your favourite textures to scatter and decide on the percentage of each.

Resins - the possibilities are endless.
Give us a call - 01462 707600



get creative with colour?

Selfridges



Flying high with Altro Resins

McAlpine



† FOR SMALL DEMARCATION AREAS ONLY, ADDITIONAL COATS REQUIRED, PLEASE REFER TO ALTRO.

UVR technology reduces the effect of UV light on long-term colour stability. Pale colours may show some cosmetic discolouration on exposure to UV light.

Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



McAlpine

resin / AltroSeal™

Seals and coatings / single colour systems

Altro resin seals are used to treat concrete floors and finished walls to provide a tough chemical and abrasion resistant, 90-180 micron finish.

AltroSeal PU Clear - single pack, solvent-based polyurethane, fast cure.

AltroSeal UVR Clear/Coloured - twin pack, solvent-based polyurethane, fast cure, chemically and UV resistant.

AltroSeal UVR-WB Clear/Coloured - a matt-finish water based polyurethane cosmetic seal coat, fast cure.

Please see Product Selector Chart on page 10 for full details.

Application Method: Roller



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



† FOR SMALL DEMARCATION AREAS ONLY, ADDITIONAL COATS REQUIRED, PLEASE REFER TO ALTRO. SUBFLOOR PROFILE WILL AFFECT PERFORMANCE IN THESE CATEGORIES.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

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Triumph Factory

resin / AltroShield™ / AltroCoat™

Seals and coatings / single colour systems

Altro resin seals and coatings are used to treat concrete floors and finished walls to provide a tough chemical and abrasion resistant 70 - 240 micron finish.

AltroShield Seal Coloured - twin pack epoxy, solvent-based.

AltroShield Seal Clear - twin pack epoxy, solvent-free.

AltroCoat - twin pack epoxy, water miscible, moisture tolerant, low odour/taint.

Slip-resistant coatings - these include a range of light textured surfaces, offering moderate slip resistance - **AltroSeal UVR Plus, AltroCoat Plus and AltroShield Seal Plus.**

Please see Product Selector Chart on page 11 for full details.

Application Method: Roller



www.altro.com

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product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



† FOR SMALL DEMARCATION AREAS ONLY, ADDITIONAL COATS REQUIRED, PLEASE REFER TO ALTRO.

In common with other single colour high gloss finishes, AltroTect may exhibit micro-scratching with traffic. To minimise this effect, various options are available i.e. correct maintenance and entrance matting. Please consult Altro sales for more information.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Journey Shoes

KLM UK Engineering

resin / AltroTect™

High build floor coatings

Altro resin high build floor coatings provide up to a 500 micron durable, protective coating to a wide range of surfaces including concrete, wood and metal.

A medium duty finish with good abrasion resistance, they offer

moderate chemical resistance,* good hygiene and cleanability.

AltroTect - twin pack epoxy, solvent free, low taint.

AltroTect Plus - slip-resistant with inclusion of a range of slip-resistant textures.

* Please consult Altro Technical Services on 01462 707600 for all chemical resistance details.

Please see Product Selector Chart on page 11 for full details.

Application Method: Roller



www.altro.com

sample ordering

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product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



In common with other single colour high gloss finishes, AltroFlow may exhibit micro-scratching with traffic. To minimise this effect, various options are available i.e. correct maintenance and entrance matting. Please consult Altro sales for more information.

† FOR SMALL DEMARCATION AREAS ONLY, ADDITIONAL COATS REQUIRED, PLEASE REFER TO ALTRO. NOT AVAILABLE IN STANDARD ALTROFLOW RANGE.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



resin / AltroFlow™ / AltroGrip Plus™

Flow applied flooring

Altro resin flow applied flooring provides systems for application to flat level floors, at thicknesses from 1mm to 5mm, providing an easily maintained, smooth, seamless surface, with good chemical, abrasion and impact resistance.

Modified flow applied systems of between 2mm and 6mm in thickness are available where anti-slip performance is required. Both systems require the substrate to be treated with AltroPrime.

AltroFlow - three pack, epoxy, solvent-free, low taint.
AltroGrip Plus - based on AltroFlow with two coats of AltroTect and inclusion of an aggregate filler offering slip resistance.

Please see Product Selector Chart on page 11 for full details.
 Static Dissipative alternative to be found on page 108 and 109

Application Method: AltroFlow - Trowel
 AltroGrip Plus - Roller/Trowel



www.altro.com

sample ordering

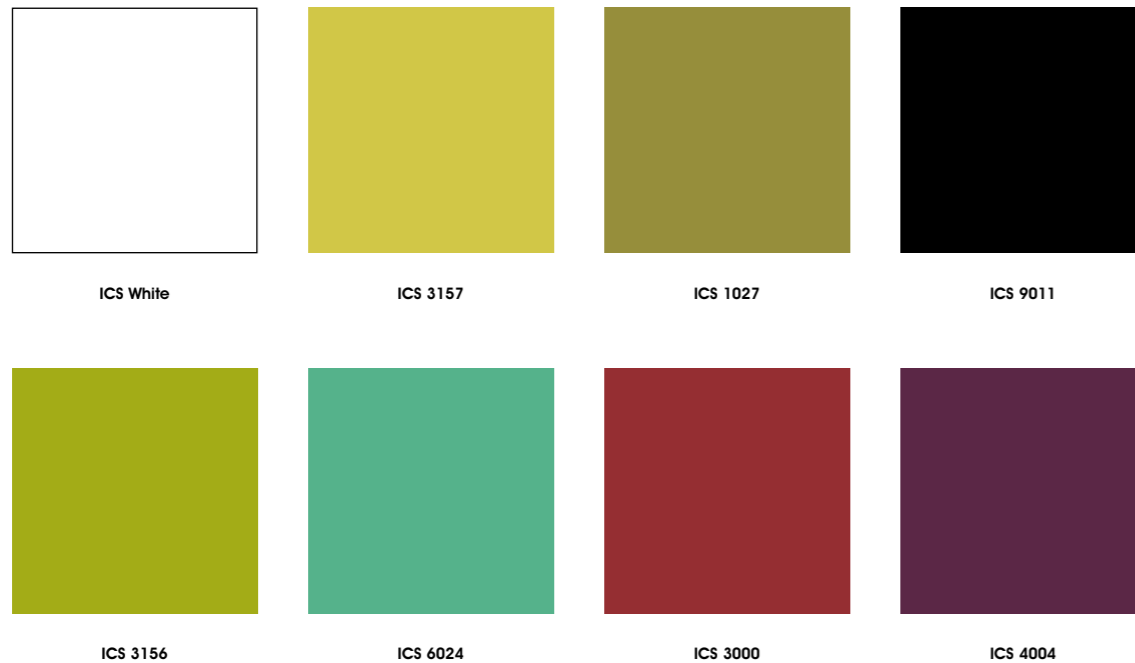
Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

ICS technology – with improved colour stability

Statement colours



Vibrant and primary colours



These are examples of colours which can now be achieved with this new technology. If you don't see the colour you need, Altro offer a colour matching service to RAL or BS standards, subject to technical suitability. Where vibrant colours or colour stability are important, ICS will offer optimum long-term performance.

ICS technology reduces the effect of UV light on long-term colour stability.

In common with other single colour high gloss finishes, AltroFlow may exhibit micro-scratching with traffic. To minimise this effect, various options are available i.e. correct maintenance and entrance matting. Please consult Altro sales for more information.

Some vibrant colours may need additional coats due to reduced opacity. Careful consideration of application area may be needed. Please contact Altro technical services for further information.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



resin / AltroFlow™ ICS

AltroFlow ICS

Creating a smooth, seamless surface, with normal high-gloss finish or optional matt modification.

New ICS technology – incorporating UV stabilisers for improved colour stability.

AltroFlow ICS – three pack, solvent free epoxy, self-flowing screed.

AltroTect/AltroSeal – New ICS technology is also available on special request with these floor coatings. These provide a durable, protective coating (based on primer and two plus coat application) to a wide range of surfaces including concrete, wood and metal.

Please see Product Selector Chart on page 10 for full details.

Application Method: Trowel



www.altro.com

sample ordering

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product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

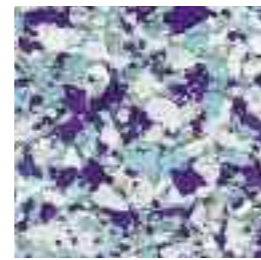
samples@altro.com



Cumulus



Daylight



Tropical



Mist



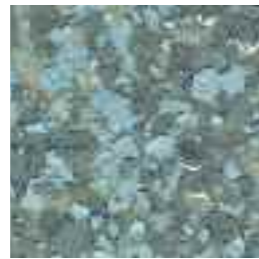
Rain



Solstice



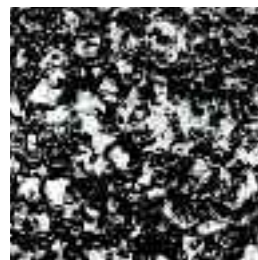
Isobar



Squall



Levanter



Equinox



Forties



Haze



Nimbus



Thunder



Sandstorm

If you would like to vary the balance of colours within these blends, please consult Altro sales for more information.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Kingsdale School

BPI Consumer Products

Altro Mosaic textured finish

Altro Mosaic glaze finish

resin / Altro Mosaic™ Texture / Altro Mosaic™ Glaze

Altro Mosaic

Inspired by the forces of nature, Altro Mosaic makes a powerful statement wherever it is seen. Select from two distinctly different textures, one offering a vibrant glossy finish, the other a subtle glazed appearance.

These decorative finishes are based on AltroFlow or AltroTect solvent-free epoxy. Slip resistance and chemical resistance are determined by the choice of seal coat and surface texture.

Application thickness may be increased by varying the depth of AltroFlow.

Please see Product Selector Chart on page 11 for full details.

Application Method: Roller



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sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

AltroCast



Tweedsmuir



Exmoor



Highland



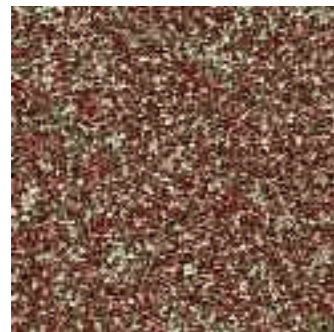
Dartmoor



Mendip



Malvern



Brecon



Peak



Wicklow



Sidlaw



Southdown



Cullin

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.
 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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.

AltroCast Natural



Mountain



Rock



Cliff



Ravine



Dune



Desert

resin / AltroCast™ / AltroCast™ TB / AltroCast™ Plus Quartz

The beauty of natural colours combines with practical performance in the AltroCast range. Three systems are available offering a choice of surface texture and thickness. From circulation areas through showers and changing facilities to food preparation areas, this most versatile product range will meet demanding needs.

AltroCast - a 1mm thick decorative or single colour epoxy slip-resistant finish offering moderate impact resistance. Can be laid to falls.
AltroCast TB - a 3mm thick, trowel applied epoxy screed. This decorative and coveable, product can be laid to floors or walls.

AltroCast Plus Quartz - a 4.5mm thick decorative slip resistant epoxy screed system, specially formulated for wet areas, such as kitchens, showers and pool surrounds where safety is important. Complies with BS 8204 2008 Part 6 - 6.6 and 11.5.

Please see Product Selector Chart on page 11 for full details.

Application Method: AltroCast - Roller
 AltroCast TB - Trowel
 AltroCast Plus Quartz - Roller/Trowel



AltroCast



AltroCast TB and AltroCast Plus Quartz



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

AltroScreed Quartz EP



Jumaana



Opal



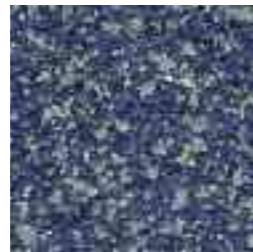
Kyanite



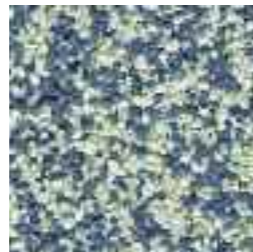
Onyx



Turquoise



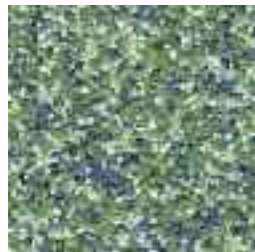
Lapis



Ula



Iona



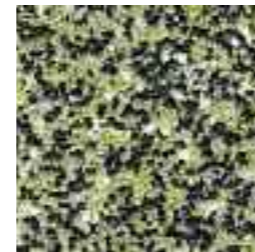
Alcazar



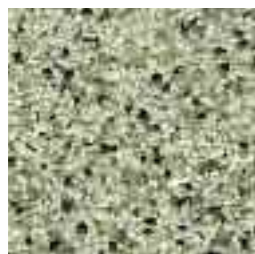
Yakootah



Rachele



Pyrite



Pearl



Greta



Peketo



Citrine



Giza



Narooma



Obsidian

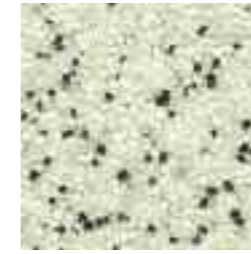


Amber

AltroScreed Quartz Boutique™



Diamond



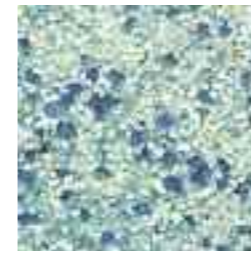
Chrystal



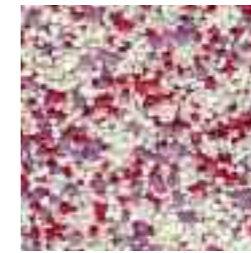
Selenite



Tourmaline



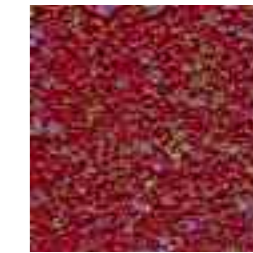
Almas



Cara



Jola



Soraya

resin / AltroScreed Quartz EP™

AltroScreed Quartz EP

With our AltroScreed Quartz EP range you will be spoilt for choice. A wide palette of superb quality screed finishes is waiting to link seamlessly with the vision you have created for your next project.

AltroScreed Quartz EP - a 4mm to 6mm three pack epoxy multi-colour screed, with clear protective seal. Medium/heavy duty and resistant to abrasion and a large range of chemicals. Coveable and can be laid to floors.

The **AltroScreed Quartz Boutique** range offers a more ambitious design opportunity, and it delivers. Inspired by the beauty of gem stones, this stunning range offers a stylish selection of finishes all making strong design statements.

Please see Product Selector Chart on page 11 for full details.
Static Dissipative alternative to be found on page 108 and 109

Application Method: Trowel



If you would like to vary the balance of colours within these blends, please consult Altro sales for more information.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



samples@altro.com

www.altro.com

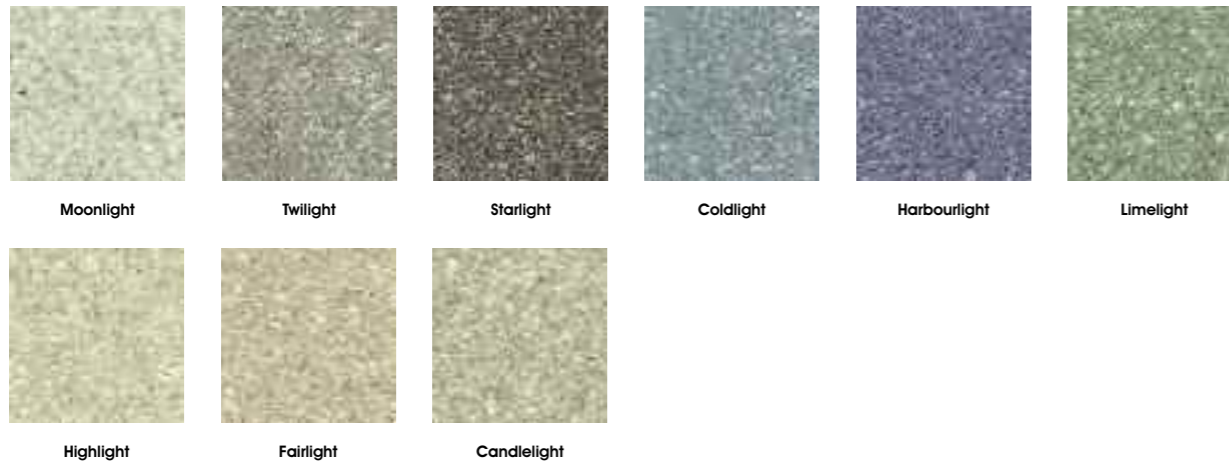
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

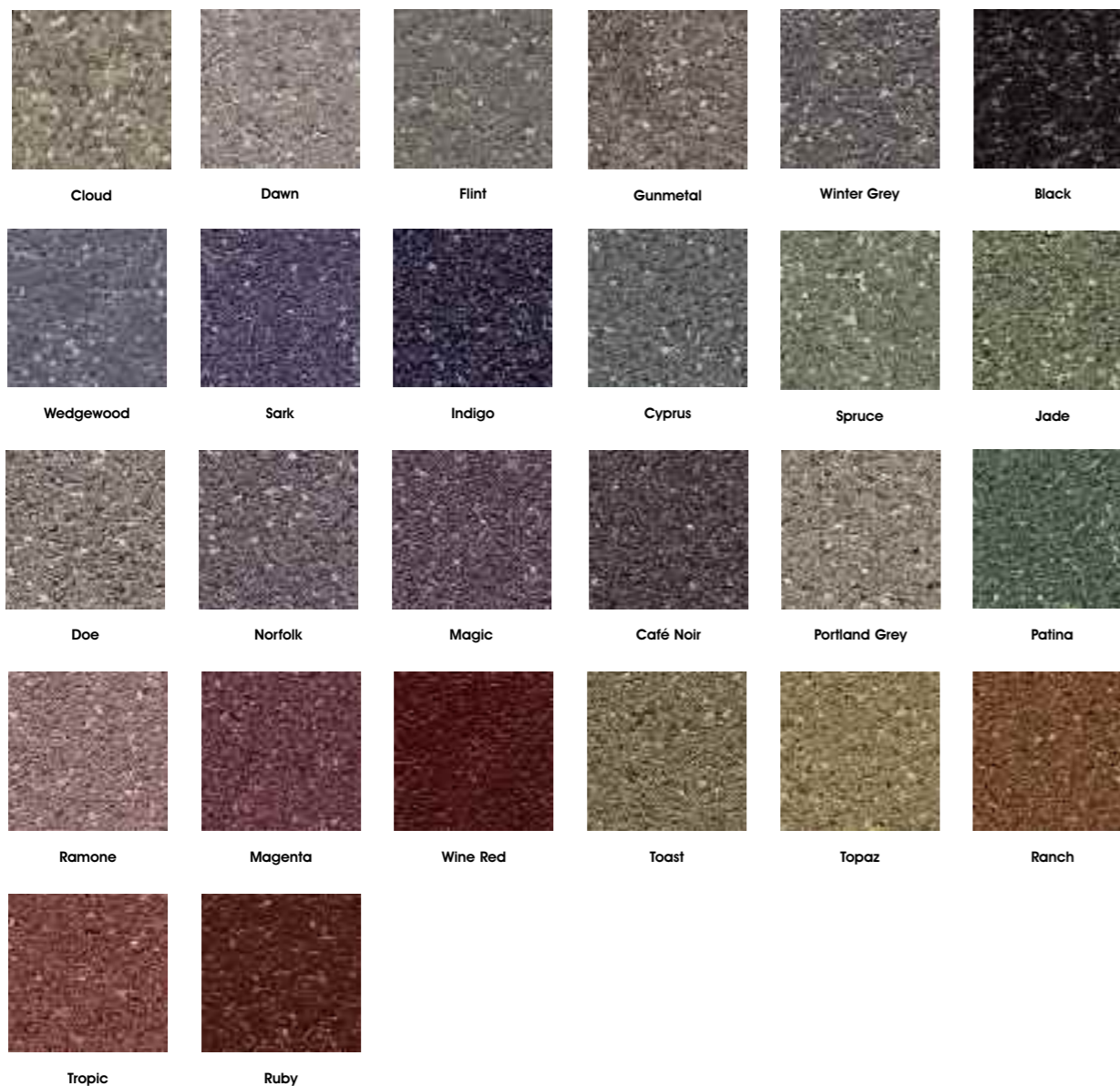
product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

Altro Pastelscreed EP



Altro Multiscreed EP



Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

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resin / Altro Multiscreed EP™ / Altro Pastelscreed EP™

Altro Multiscreed EP

Altro resin screed flooring is designed for applications requiring impact, abrasion and chemical resistance. It is coveable, hygienic and can be laid to floors and walls. Suitable for prepared substrates treated with AltroPrime.

Altro Multiscreed EP - a solvent-free epoxy screed, which is three-pack, 5mm thick or above: clear/coloured, top sealed, medium to heavy duty.

Altro Pastelscreed EP - utilises blended single colour quartz and graded fines bound with solvent-free epoxy resin to provide a high strength, chemically resistant and decorative floor surface.

Please see Product Selector Chart on page 11 for full details.

Application Method: Trowel



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Fathom



Drift



Deep



Tide



Neptune



Oyster



Shell



Conch



Nautilus



Coral

Altro Pebblestone utilises natural aggregates and shades of these materials may vary from time to time.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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.

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Astle BMW Showroom

resin / Altro Pebblestone™

Altro Pebblestone

Altro Pebblestone is a blend of natural aggregates, bound with an epoxy resin to provide a highly decorative and versatile floor surface.

Altro Pebblestone is applied at a minimum of 6mm in thickness (depending on aggregate/grain size) and sealed with two coats of clear seal for improved cleaning. This product is well suited to retail

and circulation areas (where not exposed to high point loadings). For further information please contact Altro technical services.

Please see Product Selector Chart on page 10 for full details.

Application Method: Trowel



www.altro.com

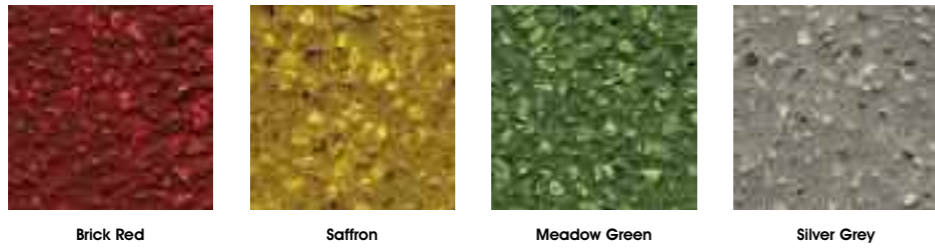
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

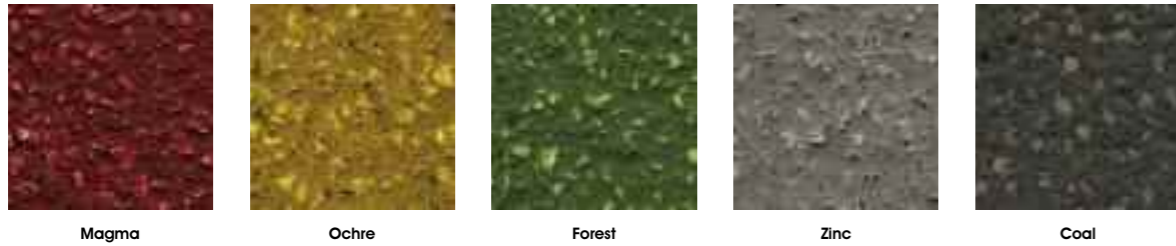
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Tel: 01462 707 600 E-mail: enquiries@altro.com

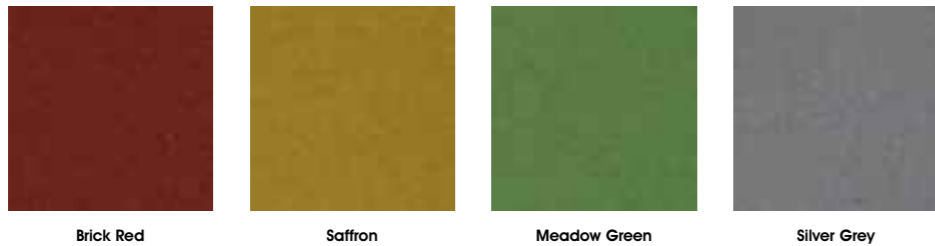
AltroCrete PU HD Fast Track™ - rapid cure (cures in as little as 5 hours)



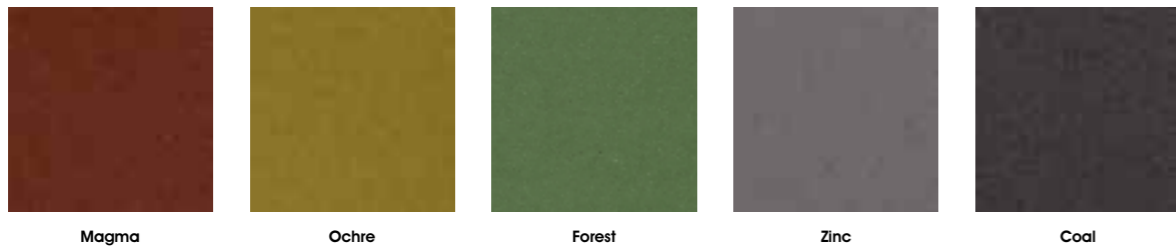
AltroCrete PU Excel™



AltroFlow PUM Fast Track™



AltroFlow PUM Excel™



These 5-9mm heavy duty screeds have been independently tested by the Campden & Chorleywood Food Research Association Group. Altro PU HD meets the requirements of the European Directive on the Hygiene of Foodstuffs (93/43/EEC) and the product is suitable for use in Food Preparation Areas.



Product staining and discolouration: Premature or prolonged contact with some chemicals may cause a cosmetic discolouration but without any loss of physical properties. Good housekeeping practices should be adopted at all times and may help to reduce the risk of such effects. Most polyurethane resin screeds should be considered more functional than decorative. Exposure to ultra violet light sources will cause a cosmetic yellow discolouration. This effect will be most pronounced in pale colours and blue/grey shades. Please be aware of this when placing these products into colour sensitive areas.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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, on-site support is not available for Altro resin products which are used in domestic applications.

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Greggs Bakers

Altro PU resin range

The Altro PU resin range combines great durability with standard or Fast Track options to reduce downtime. The range offers outstanding protection against the attack of organic acids, taint-free installation and excellent hygienic performance for the food and drink industries.

Formulated to provide budgetary and performance options, Altro PU systems offer smooth or textured finishes, including those which can tolerate -40°C to 120°C (occasional spillage tolerance). Our PU systems also benefit from increased tolerance to subfloor moisture content, (<10% water by weight).

AltroFlow PUM - a medium duty 4mm flow applied, smooth surface, matt finish screed in standard or Fast Track cure options for dry process areas.
AltroCrete PU Excel / PU HD Fast Track - a heavy duty 5-9mm textured floor finish for areas of potential spillage, increased temperature range, exposure to chemicals, impact or abrasion (occasional spillage tolerance).

Please see Product Selector Chart on page 11 for full details.

Application Method: AltroFlow PUM - Trowel
 AltroCrete PU - Trowel
 AltroCrete PU HD - Trowel



AltroFlow PUM Excel and PUM Fast Track



AltroCrete PU Excel and PU HD Fast Track



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Your choice of 27 background colours



Your choice of 5 marble chip colours



Mix and match to create the perfect blend - here are some finished examples

Turkish White Marble Chip



Italian White Marble Chip



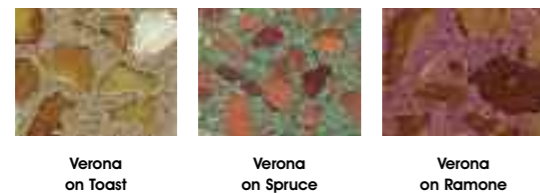
Grey Marble Chip



Verdi Marble Chip



Verona Marble Chip



Where vibrant/light colours or colour stability are important, ICS will offer better long term performance. See page 60.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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South Farnham School

resin / Altro Terrazzolite™ EP

Altro Terrazzolite EP

Altro Terrazzolite EP will revolutionise the way you think about resin floor applications. A lightweight, seamless, sophisticated marble-look resin that will deliver more than a touch of class to any corridor, lobby or retail area.

Choose from 27 standard background colours and 5 marble chip colours to produce a custom design which is also hard-wearing and easy to clean.

Please see Product Selector Chart on page 11 for full details.



Call 01462 707700 to request the Altro Terrazzolite colour selection wheel



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Derwent



Thames



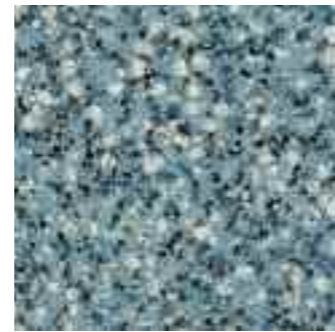
Tamar



Wye



Shannon



Clyde



Trent



Medway



NEW Altro SoloSafe™ Screed

Altro's new fast cure, low-odour, quartz screed is ideal for a wide variety of areas where speed of installation and a rapid return to service are essential.

Altro SoloSafe™ Screed, using Rapticure Technology, is available in a range of colours suited to a variety of areas and has been successfully trialled with impressive results.

Altro SoloSafe™ Screed is self-sealing, so reduces both the time and costs associated with installation. The product also has the added benefit that the standard material can be formed into coves.

With a unique design, the inbuilt slip resistance is effective in both barefoot and shoed environments whilst remaining easy to clean.

Up to 30% recycled content means it is also environmentally friendly.

The product has been designed with a wide range of application areas in mind, including Leisure, Education, Hospitality, Retail, Food, Drink & Pharmaceutical industries as well as HMP/MOD and Emergency Services.

Pale colours may show some cosmetic discolouration on exposure to UV light. Please contact Altro technical services for further information.

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.

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Altro Head Quarters

resin / Altro SoloSafe™ Screed

Altro SoloSafe Screed

Altro SoloSafe Screed incorporating Rapticure Technology, achieves excellent long term slip resistance in a hygienic, durable, decorative, quartz screed, which allows a rapid return to service with minimal lost

time. Altro SoloSafe incorporates a new technology allowing for a full chemical cure after 16 hours at 20°C with no associated noxious odour.

NEW PRODUCT

Please see Product Selector Chart on page 10 for full details.

Application Method: Trowel



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Lister Hospital

smooth flooring / keep it simple with style

Equally at home in the high-street or the workplace, these floors are as attractive as they are easy to maintain. Whether it's looks, durability or whole life costs that concern you most, smooth delivers on every count.

- The AltroSmooth ranges can be welded for an impervious floor. They are even suitable for total interior cladding for clean room environments

For more information on life cycle costs, see page 136.



Bedford Modern



Blonde Maple 389-205



Argent Oak 389-49



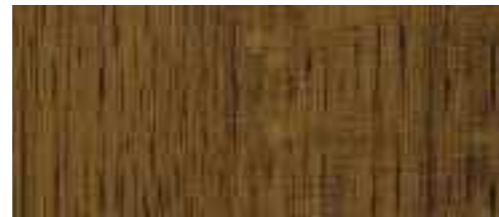
Flaxen Beech 389-86



Golden Oak 389-21



Honey Beech 389-87



Bay Oak 389-23



Rich Maple 389-207



Rich Cherry 389-96



Deep Maple 389-208



Deep Walnut 389-211



The Junction

smooth / AltroSmooth Ethos™

AltroSmooth Ethos

Sheet flooring which provides a timber appearance whilst enjoying the benefits of a seamless, hygienic surface.

Benefits from a polyurethane surface treatment technology, a factory finished PU coating is applied for added protection and ease of cleaning.



EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom



Reaction to fire EN 13501-1

Please see Product Selector Chart on page 9 for full details.

Dimensions: 18m x 1.82m

Format: Roll

Thickness: 2mm



for a look that lasts



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www.altro.com

sample ordering

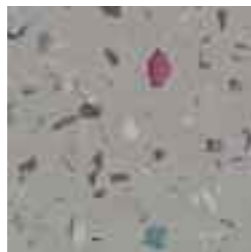
Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



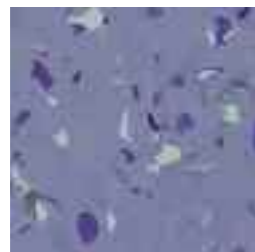
Vortex 0010



Zero 0008



Tryst 0005



Aerial 0012



Ace 0011



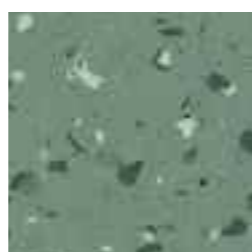
Elite 0007



Kinetic 0001



Fuse 0006



Juxta 0009



Enigma 0004



Muse 0003



Scene 0002



Data 0014



Tango 0013



Bedford Hospital

smooth / AltroSmooth Synthesis™

AltroSmooth Synthesis

Heavy-duty smooth flooring in 14 highly useable colours - a translucent chip insertion adds depth to the visual appearance of the flooring.

This homogeneous flooring has excellent appearance retention and low maintenance characteristics.

Benefits from a polyurethane surface treatment technology, it is manufactured with a PUR finish for added protection and ease of cleaning.

CE
EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom

Bfl-s1
Reaction to fire EN 13501-1

Please see Product Selector Chart on page 9 for full details.

Dimensions: Roll: 20m x 2m

Format: Roll

Thickness: 2mm



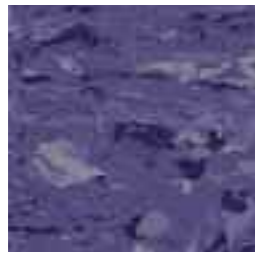
www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Ocean 85300015



Lupin 85300008



Lavender 85300007



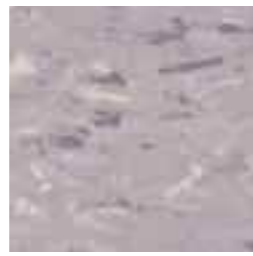
Sienna 85300006



Azure 85300011



Fountain 85300004



Mauve 85300003



Coral 85300002



Steel 85300010



Frost 85300009



Parchment 85300001



Meadow 85300012



Quartz 85300014



Concrete 85300013



Sand 85300005



Botanic 85300016



York University

smooth / AltroSmooth Chrysalis™

AltroSmooth Chrysalis

This decorative flooring uses subtle and abstract backgrounds. It is particularly suitable for heavy use and mixed conditions. It is homogeneous, very hard wearing and easy to clean and maintain.

Benefits from a polyurethane surface treatment technology, AltroSmooth Chrysalis is supplied with a permanent PUR finish.



EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom



Reaction to fire EN 13501-1

Please see Product Selector Chart on page 9 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



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sample ordering

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product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Slate 18500-2007



Baleen 18500-2010



Polar 18500-2006



Royal 18500-2008



Cornflower 18500-2009



Cirrus 18500-2002



Dusk 18500-2011



Glade 18500-2001



Sea Green 18500-2003



Nutmeg 18500-2004



Fudge 18500-2005



Barley 18500-2012



Modi e Moda

smooth / AltroSmooth Intrinsic™

AltroSmooth Intrinsic

Intrinsically attractive, thanks to a range of natural designs and a new selection of contemporary colours. AltroSmooth Intrinsic is also economical, hard-working and homogeneous: an effective solution for general locations.

Benefits from a polyurethane surface treatment technology, a factory finished PU coating is applied for added protection and ease of cleaning.



EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom



Reaction to fire EN 13501-1

Please see Product Selector Chart on page 9 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



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www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Bedford Modern

rubber flooring / soft underfoot

Strong, stylish, versatile, and a difference you can feel underfoot. Rubber gives you a funky, tactile material with a world of design options and a host of practical benefits. If you're after a floor that can stand up to gruelling traffic - which is extra durable

and performs in high traffic walkways - rubber could be just the surface for you.

- Excellent durability
- Excellent acoustic absorbency, ideal for public areas
- Underfoot resilience and comfort

For more information on life cycle costs, see page 136.

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



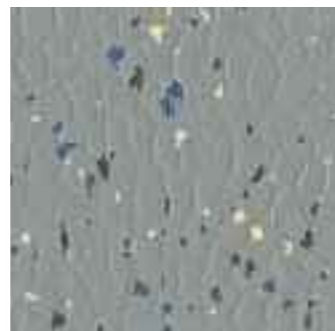
York University



FT442 Raven



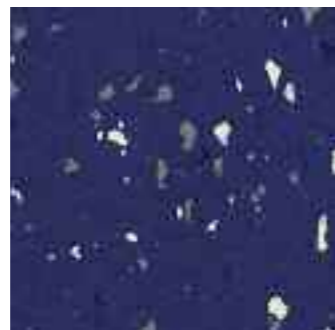
FT417 Gothic



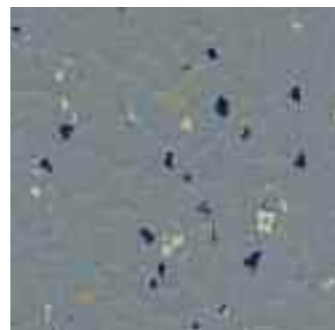
FT416 Labyrinth



FT419 Nocturn



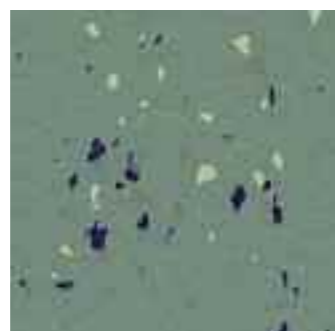
FT415 Mystery*



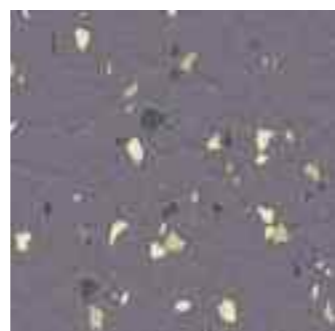
FT422 Myth*



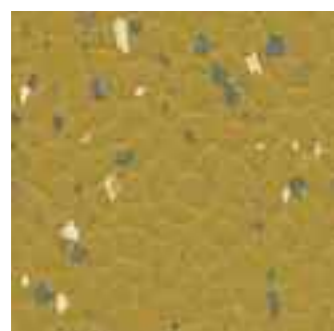
FT524 Druid*



FT432 Atlantis



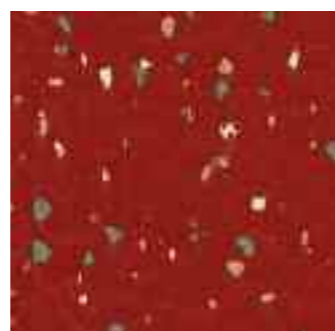
FT525 Rune*



FT527 Sparta*



FT445 Mirage*



FT523 Pagan

*THESE COLOURS ARE NON STOCK AND SOLD IN FULL ROLLS ONLY. PLEASE CONTACT ALTRO FOR LEAD TIME AND ENSURE ORDER IS PLACED EARLY TO AVOID DISAPPOINTMENT. EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Altro Head Quarters

rubber / Altro Mondofutura™

Altro Mondofutura


Altro rubber floors are especially hard-wearing, they are also impact and cigarette burn resistant. Altro Mondofutura has terrazzo style and is supplied with a factory finished PU coating.

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



rubber / Altro Mondofutura™

CE
EN14041
 Distributed by:
 Altro Ltd. Works Road
 Letchworth Garden City, SG6 1NW
 United Kingdom



Reaction to fire EN 13501-1

Please see Product Selector Chart on page 10 for full details.

Dimensions: Roll size: 1.93m x 14m

Format: Roll

Thickness: 2mm



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Orca 208



Cave 2891



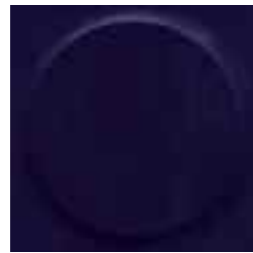
Temple 2893



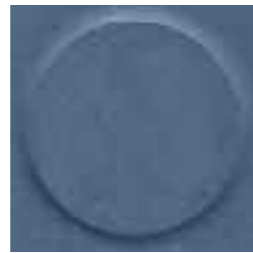
Shadow 2894



Lagoon 1904



Lake 2884



Bluebird 1935



Spa 2900



Evergreen 514



Pesto 2898



Aloe 1908



Dove 3354



Shale 2892



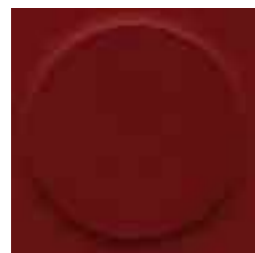
Cappuccino 2897



Driftwood 2895



Olive 3355



Coconut 2885



Calypso 3352



Highland 3351



Ochre 3353



Gillingham FC

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



rubber / Altro Mondopave™

Altro Mondopave

The unique studded appearance adds impact, and rubber brings comfort, with excellent acoustic properties and burn resistance. A classic design which lasts.



EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom



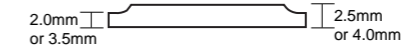
Reaction to fire EN 13501-1

Please see Product Selector Chart on page 10 for full details.

Dimensions: 500mm x 500mm

Format: Tile

Thickness: 2.5mm/4mm



Typical stud profile (not to scale)



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



Galena SL1045



Dolomite SL1038



Ducati showroom

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



rubber / Altro Mondopave Slate™

rubber / Altro Mondopave Slate™

Altro Mondopave Slate

A unique rock-grained style with a mineral lustre. Altro Mondopave Slate offers a safe surface which is especially durable with good impact and cigarette burn resistance.

CE
EN14041

Distributed by:
Altro Ltd. Works Road
Letchworth Garden City, SG6 1NW
United Kingdom

Bfl-s1
Reaction to fire EN 13501-1

Please see Product Selector Chart on page 10 for full details.

Dimensions: 500mm x 500mm
Format: Tile
Thickness: 3.5mm



www.altro.com
sample ordering
Tel: 01462 707 700 E-mail: samples@altro.com
product information:
Tel: 01462 707 600 E-mail: enquiries@altro.com



Oakfield School

Altro Mondo sports floors satisfy the requirements of a wide range of international sporting organisations including:

- 1 / International Basketball Federation
 - 2 / International Badminton Association
 - 3 / International Volleyball Federation
 - 4 / International Handball Federation
- Mondo sports flooring has been approved by more than 30 International Associations
 - Mondo have supplied sports surfaces for the last nine Olympic games
 - BS EN14904 product approval

sports flooring / Altro in the sporting arena

A portfolio of the finest sports surfaces in the world. From prestigious specialist sports arenas to multi-use sports areas, you will find sports facilities around the globe fitted with Altro flooring. Our extensive range of materials, textures and colours mean that Altro sports surfaces will exceed your most demanding performance

requirements. Having sourced the world's finest surfaces, no one is more qualified than Altro to meet the unique challenges of your sports environment.

- We score highly on:**
- **Shock absorbency** - cushioning athletes from stress and strains
 - **Subfloor preparations** - ensuring

- optimum performance and fast-track installation
- **Surfaces for** - national stadia, sports centres, schools, colleges, local government
- **Standards** - Tested to BS EN14904
- **Service** - our highly qualified consultants will ensure a successful project



Oakfield School



L71



L70



L21



L10



L11



L25



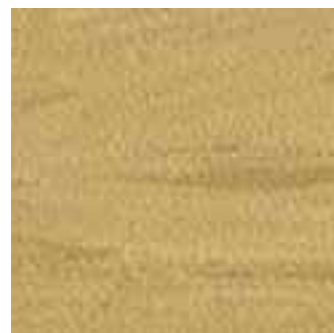
L51



L40



L30



L61



Oakfield School

sports / Altro Mondoflex™ / Altro Mondoflex™ II

Altro Mondoflex

Altro Mondoflex smooth rubber is a hard-working, slip resistant smooth surface that helps minimise abrasion injuries and reduce noise levels during indoor sports activities.

Altro Mondoflex II

NEW Altro Mondoflex II is ideal for multi-use facilities and sports halls. Its superior and durable construction allows for acceleration and directional changes, providing unrivalled shock absorption and minimising abrasion injuries.

- Sports usage:**
- General multi-use
 - Mixed

NEW PRODUCT

Please see Product Selector Chart on page 12 for full details.

Altro Mondoflex

Dimensions: 15.1m x 1.52m
15.1m x 1.9m

(Wood option only available in 15.1m x 1.9m)

Format: Roll
Thickness: 4mm

Altro Mondoflex II

Dimensions: 18.1m x 1.9m

Format: Roll
Thickness: 7.5mm



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



170



120



110



130



162



191



140



WST8101 (Altro Mondosport Wood)



sports / Altro Mondosport™ I / Altro Mondosport™ II & Wood

Altro Mondosport I / Altro Mondosport II

Altro Mondosport I range are an obvious choice for the safety conscious with an embossed surface for added slip resistance. Experience the benefits of excellent resilience, shock absorption and ease of maintenance.

Altro Mondosport II is ideal for multi-use areas and gymnasias and provides constant ball bounce plus optimal traction and friction for comfortable play. It features a permanent anti-bacterial treatment to prevent micro-organism growth.

Altro Mondosport Wood complies to BS EN14904 and has a natural timber appearance whilst enjoying the benefits of a seamless, hygienic surface.

Sports usage:

- General multi-use and sports halls

NEW PRODUCT

Please see Product Selector Chart on page 12 for full details.

Altro Mondosport I (7 colours)

Dimensions: 25m x 2m

Format: Roll

Thickness: 2.5mm / 4.5mm

Altro Mondosport II (7 colours)

Dimensions: 21m x 1.95m

Format: Roll

Thickness: 8mm

Altro Mondosport Wood

Dimensions: 21m x 1.95m

Format: Roll

Thickness: 8mm



samples@altro.com

www.altro.com

sample ordering

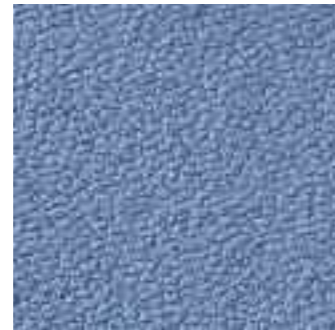
Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



T70



T21



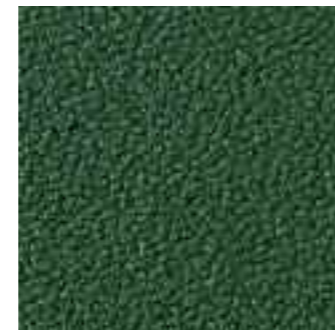
T20



T60



T11



T10



T30



T80



Welsh National Athletics Stadium

sports / Altro Mondo Sportflex™

Altro Mondo Sportflex Sealskin

Altro Mondo Sportflex Sealskin is suitable for general and ball sports. It is tough with excellent bounce and underfoot characteristics, as well as having excellent acoustic values.

Sports usage:

- General multi-use
- Indoor tracks
- Indoor tennis

Please see Product Selector Chart on page 12 for full details.

Dimensions: max. 25m x 1.22m
max. 25m x 1.83m

Format: Roll

Thickness: 4.5mm / 6mm



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



G07



B10



P12



V14



R01



The Palace of Art, Glasgow

sports / Altro Mondo Ramflex™

Altro Mondo Ramflex

Altro Mondo Ramflex is a tough, resilient rubber flooring designed for use where heavy point loading and free weights are employed.

Sports usage:

- Weightlifting
- Gymnasia

Please see Product Selector Chart on page 12 for full details.

Dimensions: Tile size: 1m x 1m

Format: Roll/Tile

Thickness: 8mm



samples@altro.com

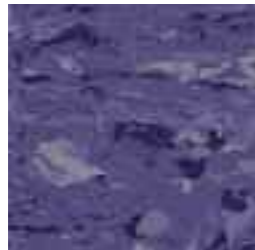
www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com



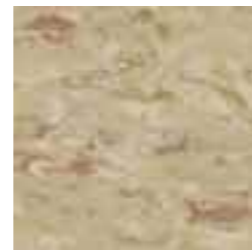
Ocean 85300015



Lupin 85300008



Lavender 85300007



Sienna 85300006



Azure 85300011



Fountain 85300004



Mauve 85300003



Coral 85300002



Steel 85300010



Frost 85300009



Parchment 85300001



Meadow 85300012



Quartz 85300014



Concrete 85300013



Sand 85300005



Botanic 85300016



Gosling Stadium

sports / AltroSmooth Chrysalis™

AltroSmooth Chrysalis

AltroSmooth Chrysalis is a tough, economical flooring, ideal for multi-purpose facilities in sports halls. AltroSmooth Chrysalis is supplied with a PUR finish for added protection and ease of cleaning.

Please see Product Selector Chart on page 12 for full details.

Dimensions: 20m x 2m

Format: Roll

Thickness: 2mm



for a look that lasts



samples@altro.com

www.altro.com

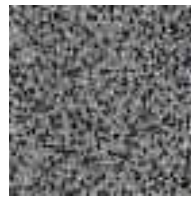
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

Altro Walkway™ 20 SD Sheet Safety Floor Covering



Fog VM20153SD

AltroStat Resin Floor Covering



AltroScreed™ Quartz EP SD Resin Floor Covering



Joule Faraday Coulomb

* FOR SMALL DEMARCATION AREAS ONLY, ADDITIONAL COATS REQUIRED, PLEASE REFER TO ALTRO.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



static dissipative

static dissipative

A selection of safety and resin floorcoverings suitable for locations where static build-up must be avoided, satisfying the following performance requirements:

- Altro Walkway 20 SD: EN1081/EN1815
- AltroStat: to BS 2050 industrial
- AltroScreed Quartz EP SD: to BS2050 Industrial & Hospitals, HTM2

<p>EN14041 0120 GB06/72664</p> <p>Manufactured by: Altro Ltd. Works Road Letchworth Garden City SG6 1NW United Kingdom</p>	Castor chair continuous use EN 425	Water tightness EN 13553	Electrical behaviour Body voltage EN 1815	Classification Class 34 Commercial very heavy EN 685
	Resistance to Chemicals EN 423	Slip Resistance EN 13893	Electrical Behaviour Vertical Resistance EN1081	Classification Class 43 Industrial Heavy EN 685
	Reaction to fire EN 13501-1	Enhanced Slip EN 13845	EN13845	

Please see Product Selector Chart on page 12 for full details.



Altro Walkway SD



AltroStat



AltroScreed Quartz EP SD



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

samples@altro.com

Introducing Altro PVCu wall cladding systems

Altro's PVCu wall cladding systems are durable, hygienic coverings for internal walls. Showers and kitchens in particular benefit from these watertight, wipe-clean surfaces. In these areas, people have traditionally opted for ceramic tiles, which were never designed to cope with all modern hygiene requirements. Altro cladding systems give you a new option, and in many ways a superior one.

No gaps in front

The key difference is the lack of grout on the surface of a PVCu wall cladding. Unlike a tiled surface, dirt has nowhere to hide and water can't seep through to the substrate behind - a problem that can cause major structural damage to any building.

No gaps behind

Some people think that a wall cladding leaves a gap between the wall and the cladding itself. Altro PVCu cladding systems are fully bonded to the substrate using Altro adhesive systems. Edges and abutments are effectively sealed providing an air and watertight finish, preventing ingress of fungal and vermin attack to comply with the requirements of HACCP*, as enforced by the Food Hygiene Regulations.

Tough to crack

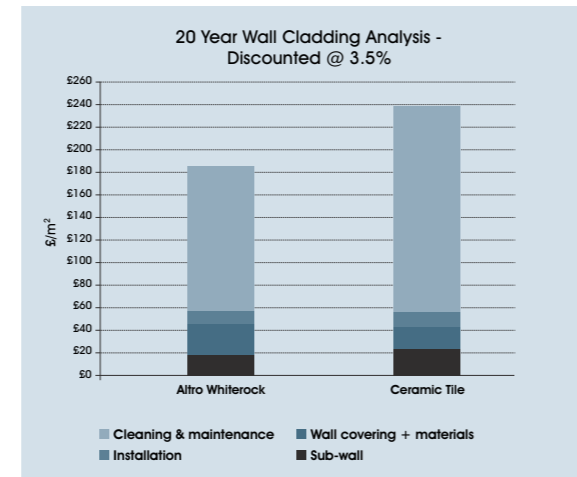
An Altro PVCu cladding system has an extremely high impact resistance according to BS EN438-2-1991 Drop Ball Test. Impacts that would leave ceramic faces vulnerable to water ingress barely leave a scratch on this tough surface. The same is true for the cladding's thermoformed corners - an area where ceramic tiles are particularly vulnerable. Altro PVCu cladding also has an excellent Fire Rating: Class 1 and Class 0, BS 476; Parts 6 and 7. Altro Whiterock White, Pastels and Illusions have been assessed to obtain a Euro-classification as defined in EN13501-1 and obtains B-s3-d0.

Maintains its appearance

An Altro PVCu cladding system's smooth, continuous surface is stain resistant and very easy to wipe clean. You won't find any of the maintenance problems that grouted systems produce - like staining or individual tile failure.

Excellent life cycle costs

Along with its durable qualities, an Altro PVCu cladding system represents good value for money because it's such a fast, flexible system to install. The system's panels adhere straight on to existing block-work or tiles so no 'wet trades' are required. Installation by our expert network of installers also includes the flexibility to match substrate movement so no expansion joints are required.



For more information on life cycle costs, see pages 137.

A wide range of colours

Altro PVCu claddings come in a wide range of colours and are used as contemporary, decorative panels in all kinds of spaces from receptions to nightclubs.

Proven systems, installed by experts, backed by up to 20 years' warranty

Altro PVCu claddings have proven their value time and time again in a wide range of environments. Our network of Premier Installers will deliver a rapid, expert fitting that's backed by up to 20 years' product warranty and meets all EU Directives on health and hygiene. Protect everybody's interests with Altro.



*For more information on Hazard Analysis and Critical Control Point (HACCP), please call 01462 707 700.



wall cladding / hygienic

Altro's PVCu wall claddings, ceilings and doorsets - hard-working, good looking systems for all-round hygienic and impact protection. In areas where grouted systems can let you down on hygiene and water-proofing,

or where you want a vibrant decorative wall solution, our PVCu cladding systems always deliver.



Arm yourself with the essential facts!

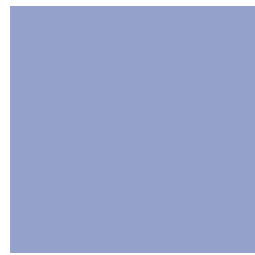
See the independent test results for **Altro Whiterock vs. ceramics**. Request the 'Close the gaps' brochure today!

Tel: 01462 707600

e-mail: walls@altro.com



Altro Whiterock Chameleon



Slip Stream
6611



Liquorice
6612



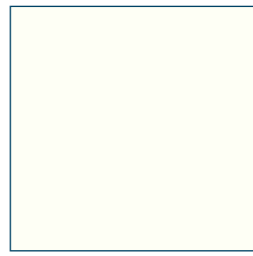
Distant Thunder
6634



Ice Queen
6629



Night Fall
6622



Pure Innocence
6601



Sheer Glass
6609



Eau De Chic
6605



Feng Shui
6617



Moulin Rouge
6618



Juicy Lucy
6620



Shocking Pink
6616

Altro Whiterock Chameleon Art

NEW PRODUCT

Introducing NEW Altro Chameleon Art. A range of designs tonally printed onto Whiterock Chameleon provides a striking etched glass effect, ideal for feature walls. Available in 10 contemporary, geometric, abstract and classic designs printed onto the 12 Altro Chameleon colours.

Create a design as unique as you are with the Altro Whiterock Chameleon Art customiser. Visit www.altro.com/products/walls/altro-chameleon-art.aspx



Matching doorsets

Doorsets are available in any Altro Whiterock Chameleon colour. See pages 128-129.



wall cladding / Altro Whiterock Chameleon™

wall cladding / Altro Whiterock Chameleon™

Altro Whiterock Chameleon

Altro Whiterock Chameleon increases your design options with a fresh choice of solid colours, all with a high gloss finish. From natural colours to bright, vibrant tones, the desired effect is yours to create.

Altro Whiterock Chameleon is suitable for feature walls in shops and bars, as well as areas where you will enjoy the performance benefits of Altro Whiterock. And now, using our latest technology,

Altro Whiterock FlexiJoint (see page 123) provides you with an even smoother, flatter profile.

Please see Product Selector Chart on page 13 for full details.

Dimensions: W160: - 2500 x 1220 x 2.5mm
W161: - 3000 x 1220 x 2.5mm

Format: Sheet

Thickness: 2.5mm



Bespoke service

Take advantage of our bespoke colour service. Please call 01502 580580 for details.



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01502 580 580 E-mail: walls@altro.com

samples@altro.com





wall cladding / Altro Whiterock Digiclad™

wall cladding / Altro Whiterock Digiclad™

Altro Whiterock Digiclad

Altro provides a digitally printed design facility giving you the option of bespoke design on your surfaces. Using Altro Whiterock as its medium the hard-coat technology of Altro Whiterock Digiclad has scratch

resistant properties. This makes it ideal for use in the retail, leisure and transport industries where durability is particularly important. So whether you're trying to achieve an impactful look or you want to

display your corporate identity in a creative way, Altro Whiterock Digiclad can deliver consistent, photographic quality.

Please see Product Selector Chart on page 13 for full details.

Dimensions: 2500mm x 1220mm	Format: Sheet
3000mm x 1220mm	Thickness: 2.5mm

Order in 6 easy steps



samples@altro.com

www.altro.com

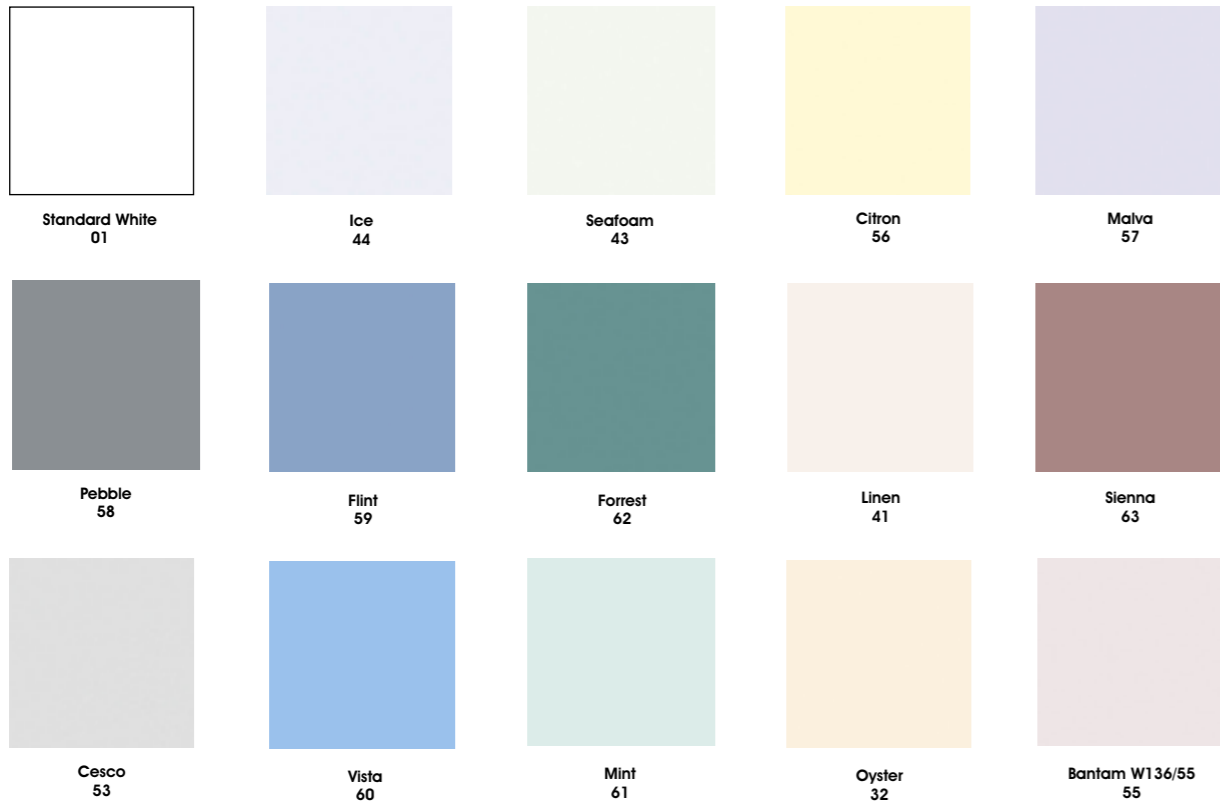
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

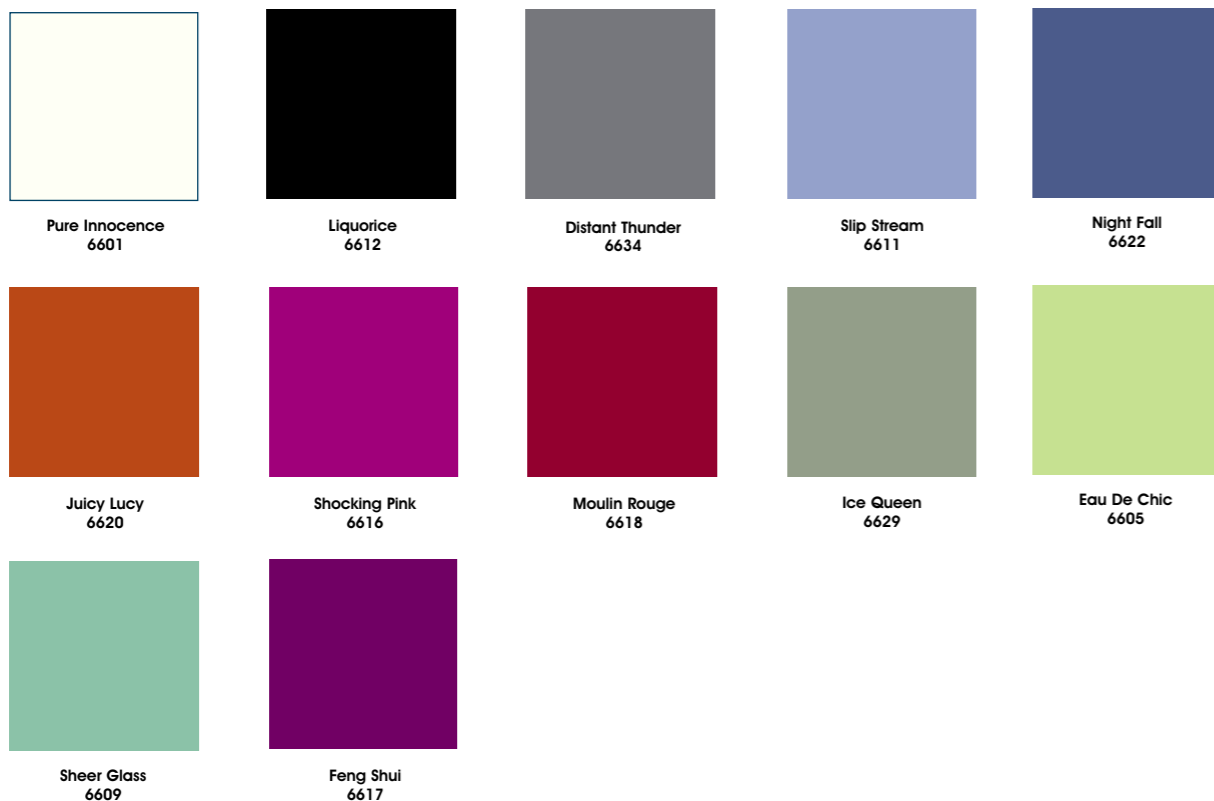
product information:

Tel: 01502 580 580 E-mail: walls@altro.com

Altro Whiterock Satins



Altro Whiterock Chameleon



EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Birmingham City College

wall cladding / Altro Whiterock Splashbacks™

Altro Whiterock Splashbacks

Altro Whiterock Splashbacks have all the physical properties of Altro Whiterock and come in kits. With bespoke sizes, all projects could benefit from their grout-free hygiene.

The affordable single sheet system is easy to install and clean. The wide range of colours can be complemented by colour match sealants.

Altro Whiterock Splashbacks permit compliance with the Disability Discrimination Act. Call 01502 580 580 for more details.

Please see Product Selector Chart on page 13 for full details.

Dimensions: Cut size only

Format: Sheet

Thickness: 2.5mm

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

..... = insert the required colour code ending

Altro Whiterock Splashbacks may either be ordered in the standard sizes shown above or in a bespoke size to suit your needs. To order a standard size, please quote the reference above and add the name of your chosen colour from the selection chart opposite.



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01502 580 580 E-mail: walls@altro.com

Altro Whiterock Illusions



White Granite
87



Ice Granite
83



Seafoam Granite
85



Linen Granite
84



White Marble
80



Ice Marble
76



Seafoam Marble
78



Linen Marble
77



White Leaf
73



Ice Leaf
69



Seafoam Leaf
71



Linen Leaf
70



White Cloud
66



Ice Cloud
62



Seafoam Cloud
64



Linen Cloud
63



Matching Joint Strip

Altro Whiterock Stone



Classic Marble
113



Polished Marble
111



Antique Marble
110



Limestone
112



Quartz
114



Slate
115

OTHER COLOURS ARE AVAILABLE TO SPECIAL ORDER, PLEASE ENQUIRE FOR DETAILS.

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



St James Swimming Pool

wall cladding / Altro Whiterock Illusions™ / Altro Whiterock Stone™

Altro Whiterock Illusions

Altro Whiterock Illusions is a patterned extruded sheet providing a cost-effective decorative panel. A range of matching trims is available to provide a watertight seal.

Altro Whiterock Stone

Altro Whiterock Stone combines hygiene with the look of natural stone. For areas where aesthetics and functionality are of equal importance, Altro Whiterock Stone provides the perfect finish.

Please see Product Selector Chart on page 13 for full details.

Dimensions: Altro Whiterock Illusions - W140: 2500 x 1220 x 2.5mm
 W141: 3000 x 1220 x 2.5mm
 Altro Whiterock Stone - W180: 2500 x 1220 x 2.5mm
 W181: 3000 x 1220 x 2.5mm

Format: Sheet
Thickness: 2.5mm

BS EN 438-2:1991 - Drop Ball Test



samples@altro.com

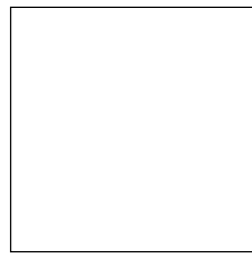
www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

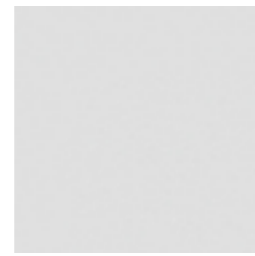
Tel: 01502 580 580 E-mail: walls@altro.com



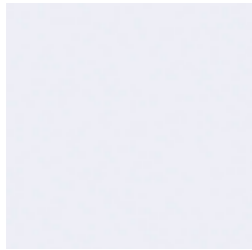
Standard White
10



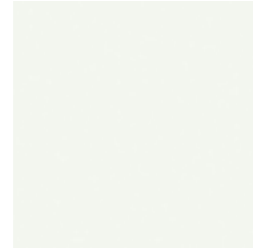
Pebble
58



Cesco
53



Ice
44



Seafoam
43



Citron
56



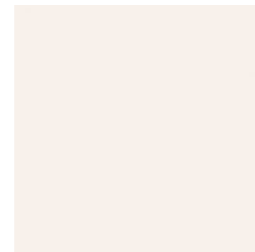
Malva
57



Flint
59



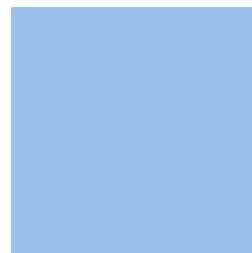
Forrest
62



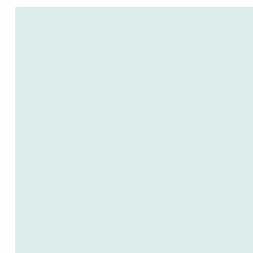
Linen
41



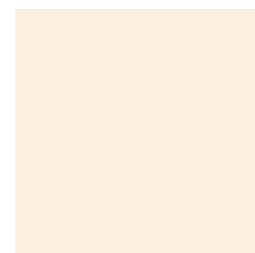
Sienna
63



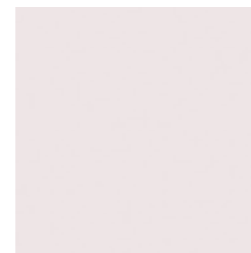
Vista
60



Mint
61



Oyster
32



Bantam W136/55
55

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Vale of Glamorgan Hotel

wall cladding / Altro Whiterock Satins™ (incorporating Altro Whiterock Pastels™)

Altro Whiterock Satins

Altro Whiterock Satins is a grout-free, hygienic alternative to tiles and is now available in a wide range of colours. In response to changing colour trends, the Altro Whiterock Satins range has been

updated to give you a number of fresh options for an attractive single-colour finish. To round your job off perfectly, you can use extruded two part PVCu trims to complement the new,

exciting Altro Whiterock Satins range. Combined with Altro non-sparkle safety flooring, it achieves the required Light Reflective Value difference needed for DDA requirements.

Please see Product Selector Chart on page 13 for full details.

Dimensions: W136: 2500 x 1220 x 2.5mm
W137: 3000 x 1220 x 2.5mm

Format: Sheet

Thickness: 2.5mm



BS EN 438-2:1991 - Drop Ball Test



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01502 580 580 E-mail: walls@altro.com

Welded joint - now available

Supplied by Altro, via our Altro Premier Installers



Exclusive click-in jointing/transition edging strip

For a narrower and flatter finish



EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.



Colchester Hospital



Altro Whiterock FlexiJoint

wall cladding / Altro Whiterock™ / Altro Whiterock FlexiJoint™

Altro Whiterock

Altro Whiterock Extruded PVCu W103/W104 is a cost-effective sheet extruded from a high quality, food safe, PVCu polymer for operating temperatures up to 60°C. It is easy to clean, impact resistant and grout-free. It meets

all current EU Directives on health and hygiene and offers a cost-effective choice.

Altro Whiterock FlexiJoint

Altro Whiterock FlexiJoint is ideal when you need unobtrusive joints that are easy to apply. Slimmer and more flexible than ever before, it's suitable for any application where design, hygiene and quality of finish are equally important.

Please see Product Selector Chart on page 13 for full details.

Dimensions: W103: 2500 x 1220 x 2.5mm
W104: 3000 x 1220 x 2.5mm

Format: Sheet

Thickness: 2.5mm



Altro Whiterock
Altro Whiterock
Flexijoint

BS EN 438-2:1991 - Drop Ball Test



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product information:

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wall cladding / Altro Whiterock Quickclad™

With Altro Whiterock Quickclad you can construct hygienic walls and partitions quickly, simply and cost-effectively. It's ideal for problem areas or listed buildings where poor substrates or services don't allow cladding to be fixed direct to existing substrates.

Altro's unique system means you can create wipe-clean walls or non-load bearing partitions without the need for substrate preparation. You just construct a simple metal stud framework and affix the panels.

Future access to services is made simple by creating access hatches or removable panels (free of adhesive) at the construction stage.

Ideal for food preparation and laboratory applications where a wipe-clean, seamless hygienic surface is required.

Please see Product Selector Chart on page 13 for full details.

Dimensions: W171: 2500 x 1250 x 10mm
W172: 3000 x 1250 x 10mm

Format: Sheet

Thickness: 10mm



- Can be used over damp or uneven substrate
- Hides cables, pipes and services
- Tailored panelling for full and easy access
- Superior finish for corners
- Ideal for most areas where hygiene is a concern
- A fast track solution

Please contact Altro to request a demonstration of the Altro Whiterock Quickclad system.



samples@altro.com

www.altro.com

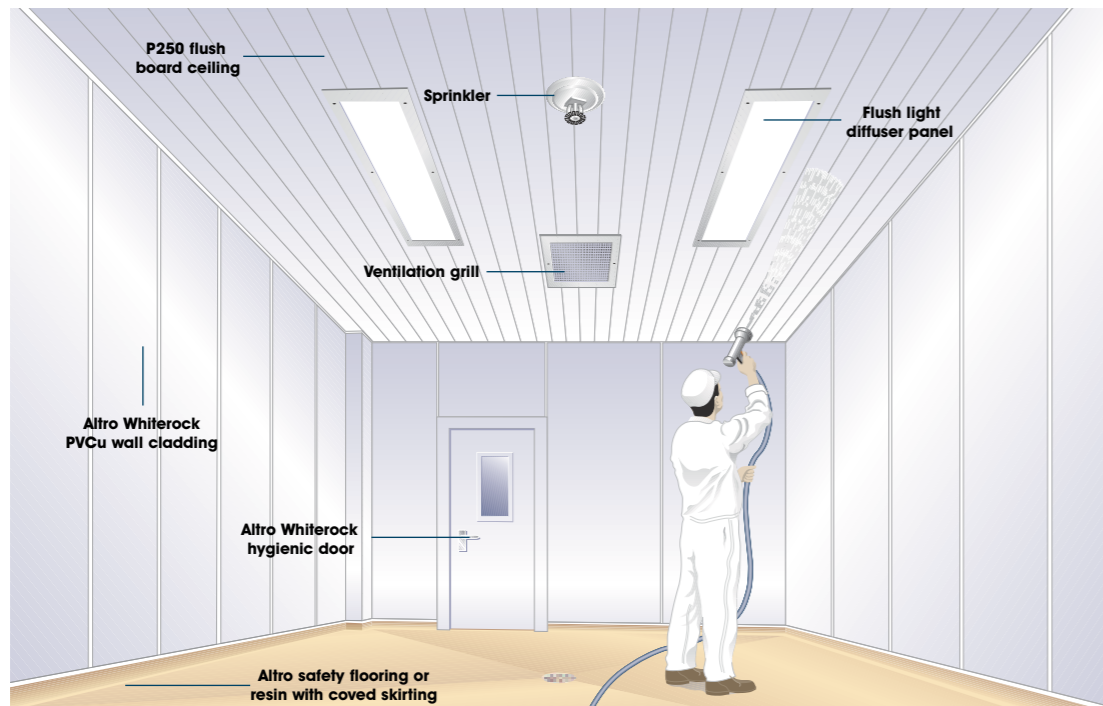
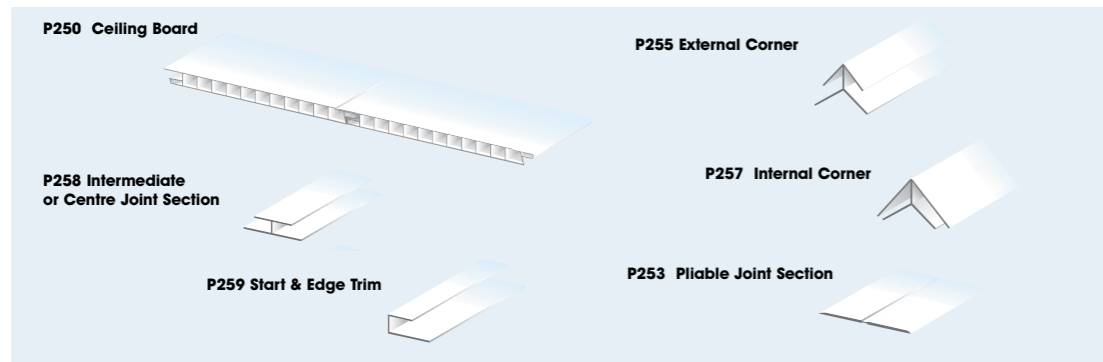
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

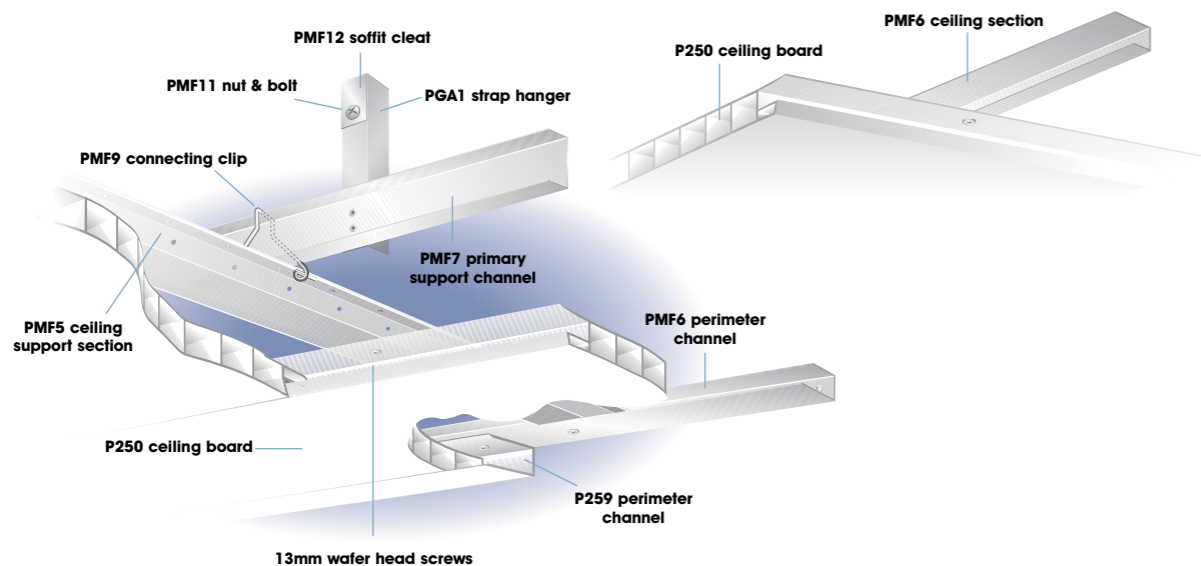
Tel: 01502 580 580 E-mail: walls@altro.com

The ceiling system



Suspended ceiling detail

Direct fix ceiling detail



English Lakes Ice Cream

Altro Whiterock™ Hygienic Ceilings

Altro Whiterock Hygienic Ceilings meet rigorous hygiene requirements in food preparation areas.

- Easy clean, non-porous and non-absorbent
- Impervious, chemical resistant
- Lightweight
- Twin wall construction reduces condensation

- Virtually maintenance free, can be hosed down in-situ
- Flush fitting lighting, access hatches, air grilles and sprinklers can be fitted
- Available in white, with excellent colour fastness

- Rapid, easy installation on suspended grid system or direct fixed to suitable surfaces
- Fully compatible with Altro Whiterock wall cladding
- BS 476 Class 1 and Class 0 Fire Rating (when installed on non-combustible substrates)

Please see Product Selector Chart on page 13 for full details.

Dimensions: P250/60: 6000 x 250 x 9mm
 P250/50: 5000 x 250 x 9mm
 P250/40: 4000 x 250 x 9mm
 P250/30: 3000 x 250 x 9mm

Format: Plank



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01502 580 580 E-mail: walls@altro.com



Altro Whiterock™ Hygienic Doorsets

When hygiene really matters - every detail counts

Altro Whiterock Hygienic Doorsets provide a complete PVCu-faced doorset to ensure the integrity of your hygienic, low maintenance installation.

- Bespoke service to meet different size and specification requirements

Please see Product Selector Chart on page 13 for full details.



Coloured doorsets are available in any Altro Whiterock Chameleon (page 112) or Altro Whiterock Satins (page 120) colours



www.altro.com
 sample ordering
Tel: 01462 707 700 E-mail: samples@altro.com
 product information:
Tel: 01502 580 580 E-mail: walls@altro.com

samples@altro.com

- Faced with 2.5mm EU grade Altro Whiterock PVCu to both sides and all edges
- Available in a range of colours
- 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, 51mm thick as standard. Altro Whiterock doorsets have been tested to BS 476 Part 22: 1987 Clause 7 and have been assessed to meet 30 min. and 60 min. 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

EXPERIENCE HAS SHOWN THAT PRINTING CANNOT REPRODUCE COLOURS ACCURATELY. IF COLOUR CHOICE IS CRITICAL, PLEASE REQUEST A SAMPLE OF THE MATERIAL.

Subfloors

AltroPol™

AltroPol improves the strength of subfloors in readiness to receive resilient flooring systems or synthetic resin floor finishes.

AltroPol is a stabilised polymer designed to enhance the physical properties of cement based floor screeds and repair compounds. It contains integral antifoam and antioxidant agents.

AltroPol greatly improves flexural strength which, together with the high bonding and fast-curing capacity, allows the production of thin section seamless floor screeds with excellent durability and overall properties.

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 levels of performance.

Thickness

The minimum recommended design thicknesses are as follow:

- 6mm Bonded
- 50mm Unbonded
- 75mm Floating

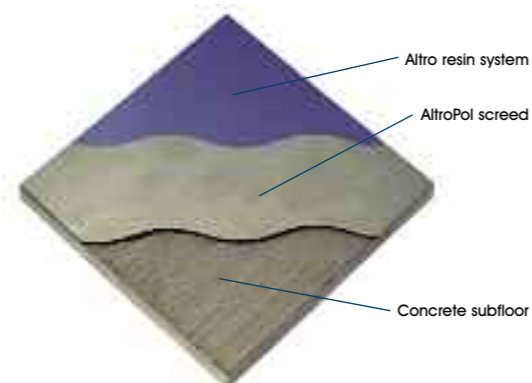
Areas of use

Typical applications

- Faster curing to allow early overlayment
- 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
- Underlayments for resilient floor coverings and resin finishes
- Patching of worn or damaged concrete

Benefits

- 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



Humidity range/relative humidity (RH)

AltroProof Duo™ Up to 97%

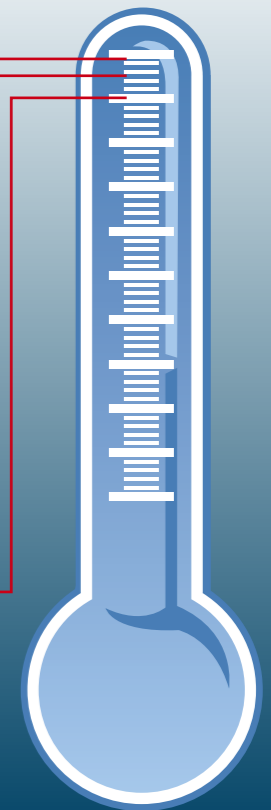
- Two coat, two part epoxy system
- 6 hour cure time between coats
- Excellent adhesion under adverse conditions
- Excellent resistance to water and hydrolysis

AltroProof Solo™ Up to 95%

- Single coat
- Fast-track installation
- Reduced labour time

AltroProof Eco™ Up to 90%

- Water based (re-seal to reduce wastage)
- No VOCs (environmentally friendly)
- Quick to cure – 2 hours between coats
- For use with vinyl floorcovering only



AltroProof damp-proof membranes

The new AltroProof collection gives you the ultimate in easy-to-apply damp-proof membranes. Offering protection in up to 97% relative humidity, the AltroProof collection is ideal for fast-track installation

(over green concrete) and for refurbishment projects (on existing substrates).

AltroProof Duo™

AltroProof Duo is a two component, solvent-free high-build epoxy resin surface damp-proof membrane. It is applied as a two coat system, providing protection for water sensitive floorcoverings. Altro resin systems, Altro vinyl and rubber floorings are universally suitable for installing directly over AltroProof Duo.

AltroProof Solo™

AltroProof Solo is designed as a one-coat system to accommodate all types of floor finishes (vinyl, rubber and resin systems); it will provide a vapour barrier against levels of residual construction moisture to a maximum of 95% RH.

AltroProof Eco™

The AltroProof Eco system is a single pack, two coat application moisture vapour suppressant (MVS). The system can be used with vinyl floorcovering over water resistant levelling screeds. Not suitable for use under resin systems or rubber flooring.



www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

samples@altro.com

Subfloors

Altro acoustic underlay 1101

Altro Acoustic Underlay 1101 is suitable for use with Altro safety flooring, Altro Mondo rubber flooring and Altro smooth flooring. When tested in accordance with BS EN ISO 140-8-1998, 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).

For further details, contact Altro Technical Services on 01462 707600.



Altro Everlay™ underlayment

Altro Everlay is designed to overcome the problems sometimes encountered in laying sheet floorings over new or old subfloors.

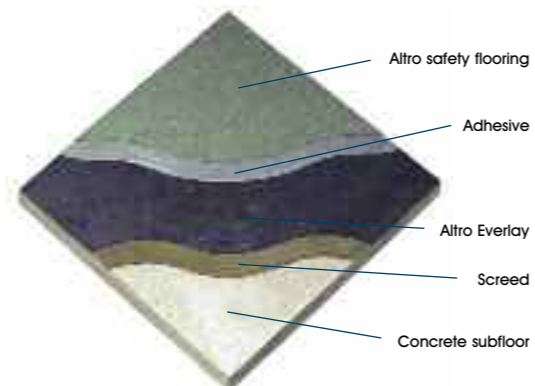
Altro Everlay can be laid over a variety of surfaces, such as old vinyl tiles, sheet metal, access floors, subfloors contaminated with oil or paint, or damp subfloors.

There are two types of Altro Everlay available, Altro Everlay A, and Altro Everlay B which has an added sound absorbent, insulating layer.

The main advantages of Altro Everlay are that it:

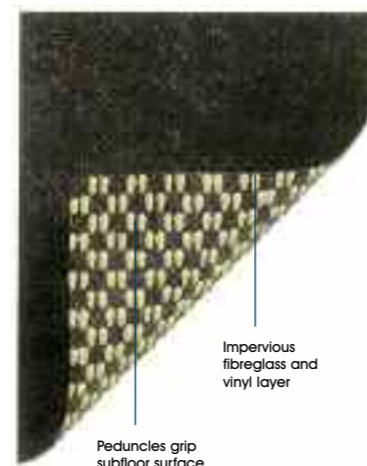
- Provides a continuous base which is stabilised and resistant to damp
- Cuts down laying time as it can reduce normal subfloor drying times

- 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.



Altro Everlay A

A specially coated fibreglass sheet underlay which is designed to enable the loose laying of Altro safety flooring, Altro rubber sheet materials, Altro Mondosport HPW and AltroSmooth Ethos. Thickness 1.2mm, width 2m, average length 50m, weight of roll 100kg.



fast track solutions / subfloors

Typical areas where Altro Everlay may be used

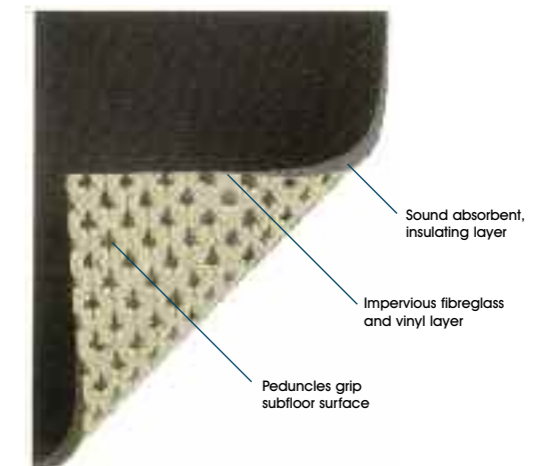
- Temporary walkways or areas where substrate may need to be used later
- Screed or slabs where construction moisture has not dried out
- Areas where subfloor has been exposed to water spillage
- Old subfloors which may not contain an adequate damp proof membrane
- On metal access floor systems (subject 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

Altro Everlay B

A specially coated fibreglass sheet underlay incorporating a layer of resilient material, which gives the added benefit of increased insulation and sound absorption. Thickness 4mm, width 2m, average length 20m, weight of roll 88kg.

Altro Everlay B also has the benefits of:

- Improving the resilience of sports materials
- 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).



samples@altro.com

www.altro.com

sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

Flooring accessories

Altro adhesives

AltroFix™ 15	A single part high tack acrylic copolymer. For use with Altro safety flooring, AltroSmooth, and Altro Mondosport Wood in areas not subjected to spillage. Also for use with Altro Mondopave 2.5mm tiles and Altro Mondofutura in light traffic areas not subjected to spillage.
COVERAGE	Approximately 35-40 sq.m per 12 kg unit, depending on the application and subfloor porosity.
AltroFix™ 19	Two part polyurethane adhesive. After setting, this adhesive is not affected by spillage of water and most other liquids. For use with Altro safety flooring, Altro Sportflex, Altro Mondoflex and Altro Ramflex. Flooring may require weighting down. Floor must be kept clear during setting of adhesive ADH19K10B and ADH19K5B. Not suitable for vertical surfaces.
COLOUR	Neutral. Colour pigment available to special order.
COVERAGE	Average coverage 15-20 sq.m per 10 kg unit and 7.5-10 sq.m per 5 kg unit.
AltroFix™ 19c*	Two part polyurethane conductive adhesive for use with Altro Walkway static dissipative safety flooring.
COLOUR	Black.
COVERAGE	Average coverage 12-16 sq.m per 5 kg unit depending on subfloor conditions.
AltroFix™ 41	A specially formulated two part resin adhesive for use with Altro Mondopave Slate, Altro Mondofutura and Altro Mondopave 2.5mm and 4mm, in areas subject to spillages.
COVERAGE	Average coverage 12-14 sq.m per 5 kg unit.
AltroFix™ 365	A high tack acrylic adhesive that can be applied to dry porous and impervious surfaces. For use with Altro safety flooring, AltroSmooth and Altro Mondosport Wood in areas not subjected to spillage.
COVERAGE	Average coverage 25-35 sq.m per 5 litre unit depending upon subfloor and method of application.
AltroFix™ 25NF	Contact adhesive. This adhesive 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 15 square metres bonded area per 5 litre unit.

Cleaners and dressings for Altro floors

AltroClean 44™	Alkaline cleaner recommended for use with Altro safety flooring.
AVAILABILITY	AltroClean 44 is sold in cases which contain either: 10 x 1l bottles or 4 x 5l bottles.
AltroClean 44+™	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™	For use with Altro Mondo flooring and AltroSmooth Intrinsic, AltroSmooth Chrysalis and AltroSmooth Synthesis. 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™	For use with AltroSmooth Intrinsic and Altro Mondo flooring (excluding sports surfaces).
AVAILABILITY	AltroGloss 211 is sold in cases which contain: 4 x 5l bottles.
MASCU	Altromastic clean-up wipes for the removal of excess mastic before it sets.
Clean Up Solvent	For removing adhesive spillages. Clean Up Solvent is flammable and can therefore only be delivered by road transport. Note: Care must be taken when using this material as excessive use will cause surface damage to the floorcovering. Clean Up Solvent should not be used with any Altro floorcovering containing Maxis Technology.
AVAILABILITY	When ordering separately from adhesive, solvent must be in multiples of six. Please see full separate instructions available on request for maintenance of each type of flooring. Note: Altro Walkway 20SD - avoid excessive cleaning and the use of polishes or dressings as this can adversely affect the static dissipative properties of the flooring. 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.

safety flooring / recommended cleaning methods

Manual	Mechanical
<ol style="list-style-type: none"> 1. Sweep up loose dirt and dust 2. Apply AltroClean 44™ or equivalent alkaline cleaner and leave for several minutes 3. Scrub with deck scrubber or edge cleaner 4. Mop up residue. Always use a twin compartment bucket to avoid redistribution of dirt 5. Mop rinse with clean, warm water and allow to dry 	<ol style="list-style-type: none"> 1. Vacuum up dust and dirt, remove large debris 2. Apply AltroClean 44™ or equivalent alkaline cleaner and leave for several minutes 3. Machine scrub using medium synthetic pad 4. Wet vacuum residue 5. Rinse with warm clean water and vacuum dry

Visit www.altro.com for full cleaning and maintenance guidance

Life cycle costs

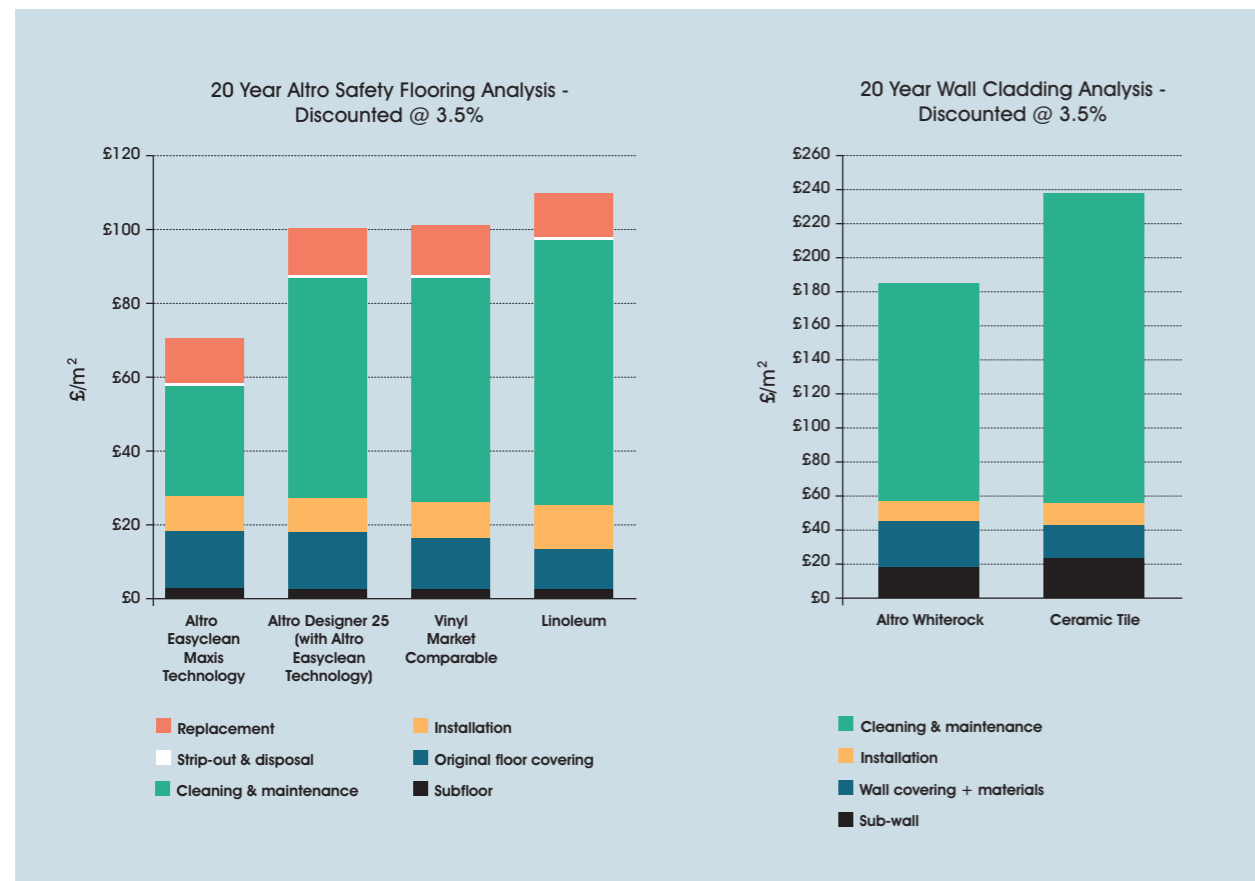
Independent analysis

For specifiers, it is important to know how much flooring and walling products will cost over their expected lifespan. This is why Altro 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 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 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.

Flooring accessories

Hand tools - primarily for use with Altro safety flooring

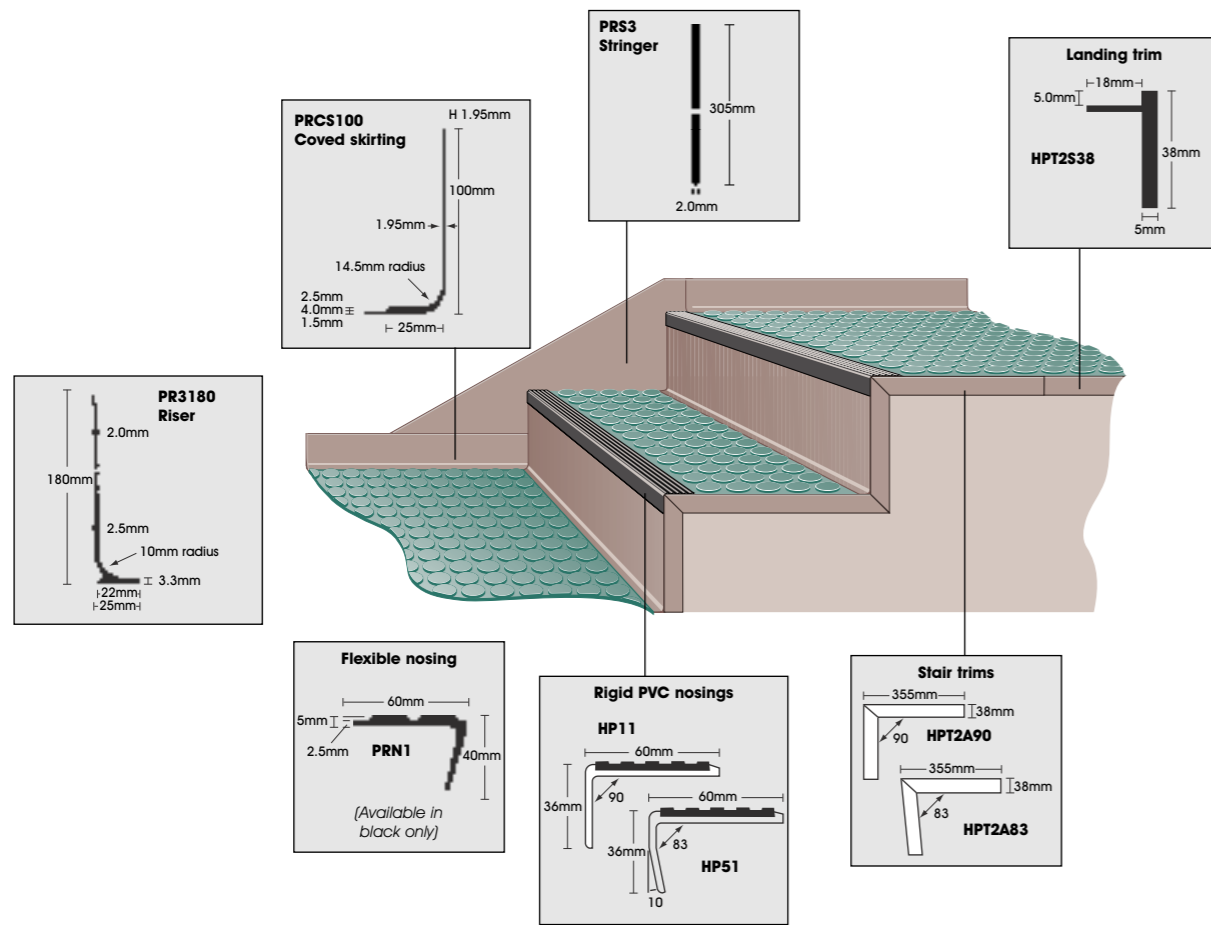
	Auto grooving blade 110mm		Concave heavy duty blade (box of 100)
	Auto grooving blade 120mm		High speed weld gun 110V
	Router handle No.5		High speed weld gun 220V
	Router blades (pack of 8)		Coving welding nozzle
	Groove blade u-shape (pack of 10)		High speed weld nozzle 5mm
	Grooving tool blades		Spatula
	Grooving tool handle		T20 chisel tool
	Straight heavy duty blade (box of 100)		
	Hooked heavy duty blade (box of 100)		

Flooring accessories

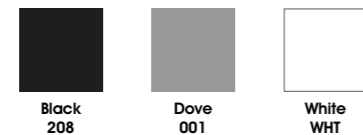
Altro PVC stair nosings and accessories

Altro PVC stair nosings and accessories are constructed in impact resistant rigid and flexible PVC, to complement the Altro Mondo rubber flooring ranges for perfectly colour co-ordinated installations. The range is also compatible with

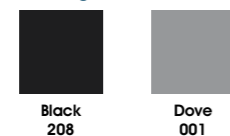
Altro safety flooring and AltroSmooth flooring. As well as nosings and stair trim sections, accessories include matching riser and stringer sections, coved skirtings, stair and landing trims.



Coved skirtings



Nosings



Colourways available

Flooring adhesives guide

This guide will assist specifiers and installers with the selection of appropriate Altro recommended adhesives. Full adhesive data sheets are available

on request with Health and Safety (COSHH) guidelines. If in any doubt, please consult Altro Technical Services Department.

Adhesives guide

	WOOD	S/C SCREED	LATEX SCREED	ALTRO ACOUSTIC 1101	ALTRO EVERLAY	ALTRO-PROOF ECO	ALTRO-PROOF DUO & SOLO	POWER FLOATING	ASPHALT	METAL	TERRAZZO	COVINGS	WALLS
Altro safety/ (Spills)	A19	A19	A19	A19	A19	A19	A19	A19	A19	A19	A19	A25NF	A25NF
Altro safety/ (No Spills)	A365 or A15	A365 or A15	A365 or A15	A365 or A15	A19	A365	A365	A365	A365	A365	A365	A25NF	A25NF
Altro Walkway 20SD Static Dissipative	Tremco 106	Tremco 106 or Balls F57	Tremco 106 or Balls F57	Contact Altro	Mapei G19C	Mapei G19C	Mapei G19C	Mapei G19C	Mapei G19C	Mapei G19C	Mapei G19C	A25NF	
AltroSmooth	A365 A15	A365 A15	A365 A15	A365 or A15	-	A365	A365	A365	A365	A365	A365	A25NF	A25NF or A365
Altro Mondopave 2.5mm and 4.0mm, Altro Mondopave Slate, Altro Mondofutura (Heavy traffic or spills)	A41	A41	A41	A41	A19 (Sheet only)	-	A41	A41	A41	A41	A41	A25NF	
Altro Mondopave 2.5mm, Altro Mondofutura (Light/Medium traffic, no spills)	A15	A15	A15	A15	A19 (Sheet only)	-	Latex Screed *	Latex Screed *	Latex Screed *	Latex Screed *	Latex Screed *	A25NF	
Altro Mondo Sportflex, Altro Mondoflex I, Altro Mondo Ramflex	A19	A19	A19	A19	A19 (Sheet only)	-	A19	A19	A19	A19	A19	A25NF	
Altro Mondosport I & II / Altro Mondoflex II	A365 or A15	A365 or A15	A365 or A15	A365 or A15	A19	A365	A365	A365	A365	A365	A365	A25NF	

* for adhesive recommendations, see latex screed column

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

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



www.altro.com

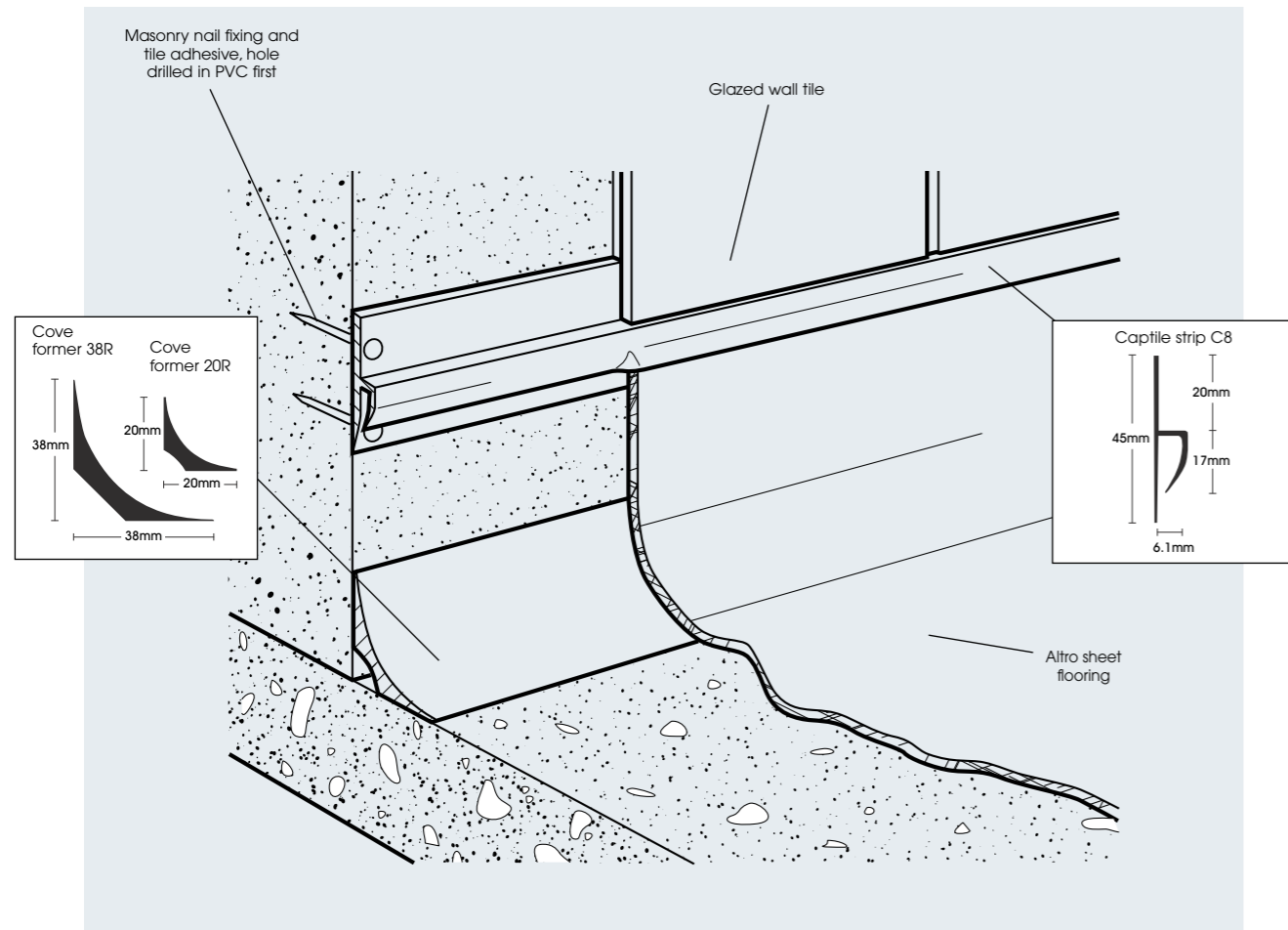
sample ordering

Tel: 01462 707 700 E-mail: samples@altro.com

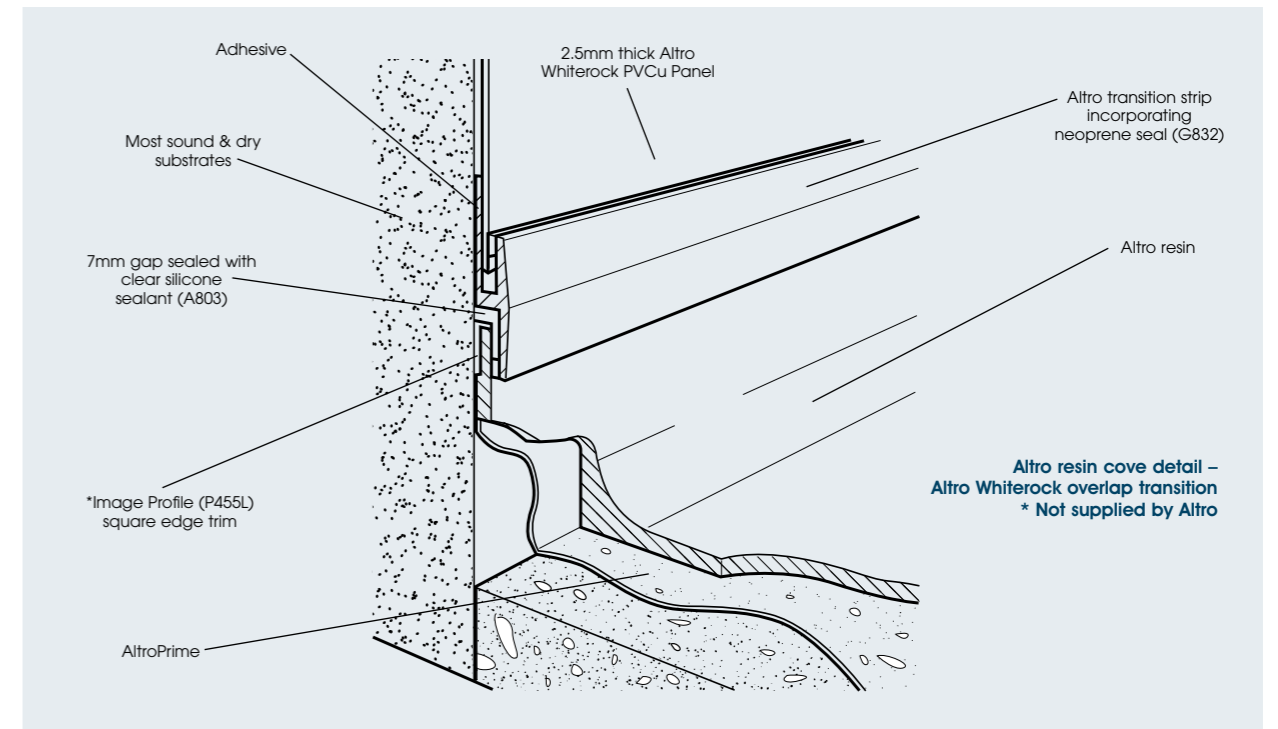
product information:

Tel: 01462 707 600 E-mail: enquiries@altro.com

Self-coved with cove former & captile strip C8 to wall tiles



Altro flooring and walling junctions

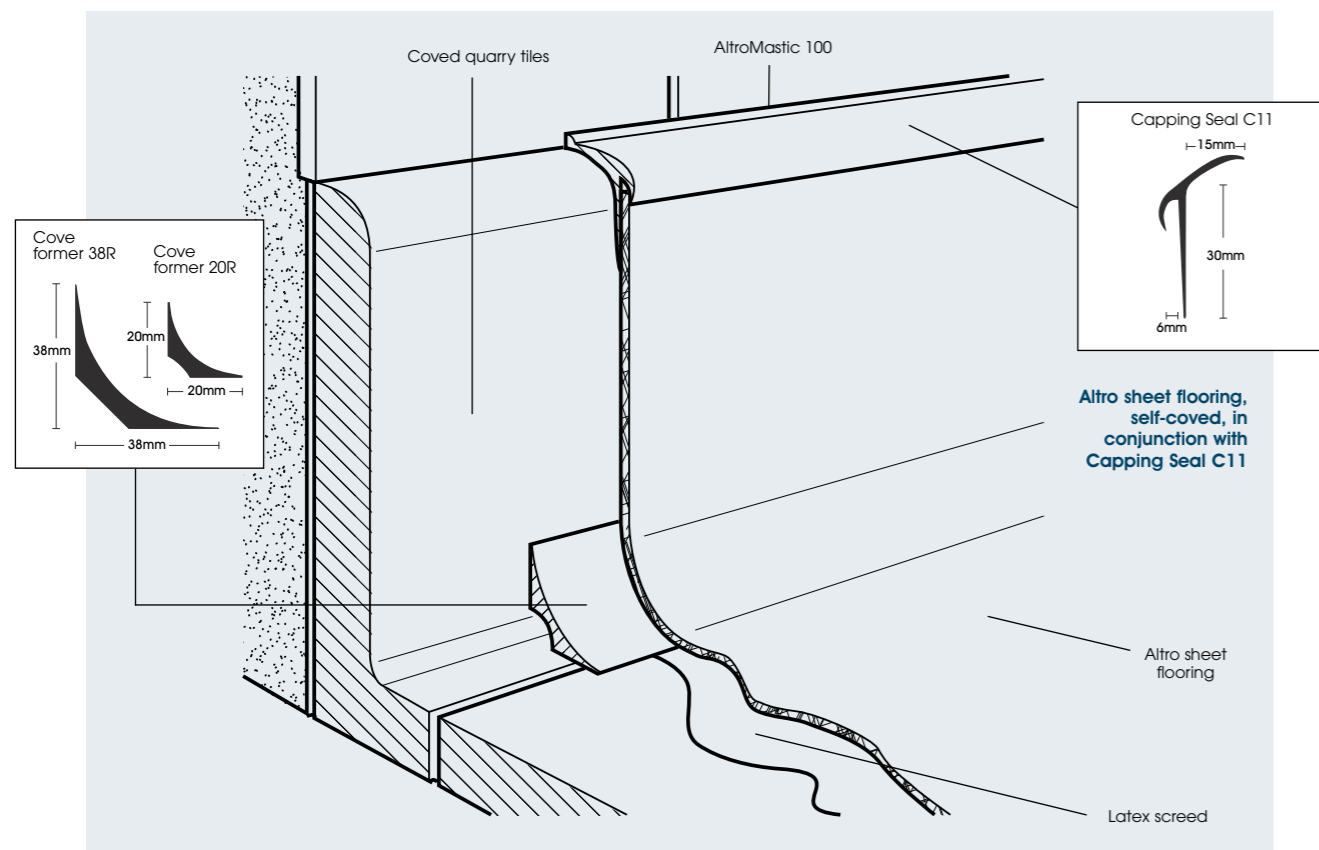


technical support / design & finishing detail

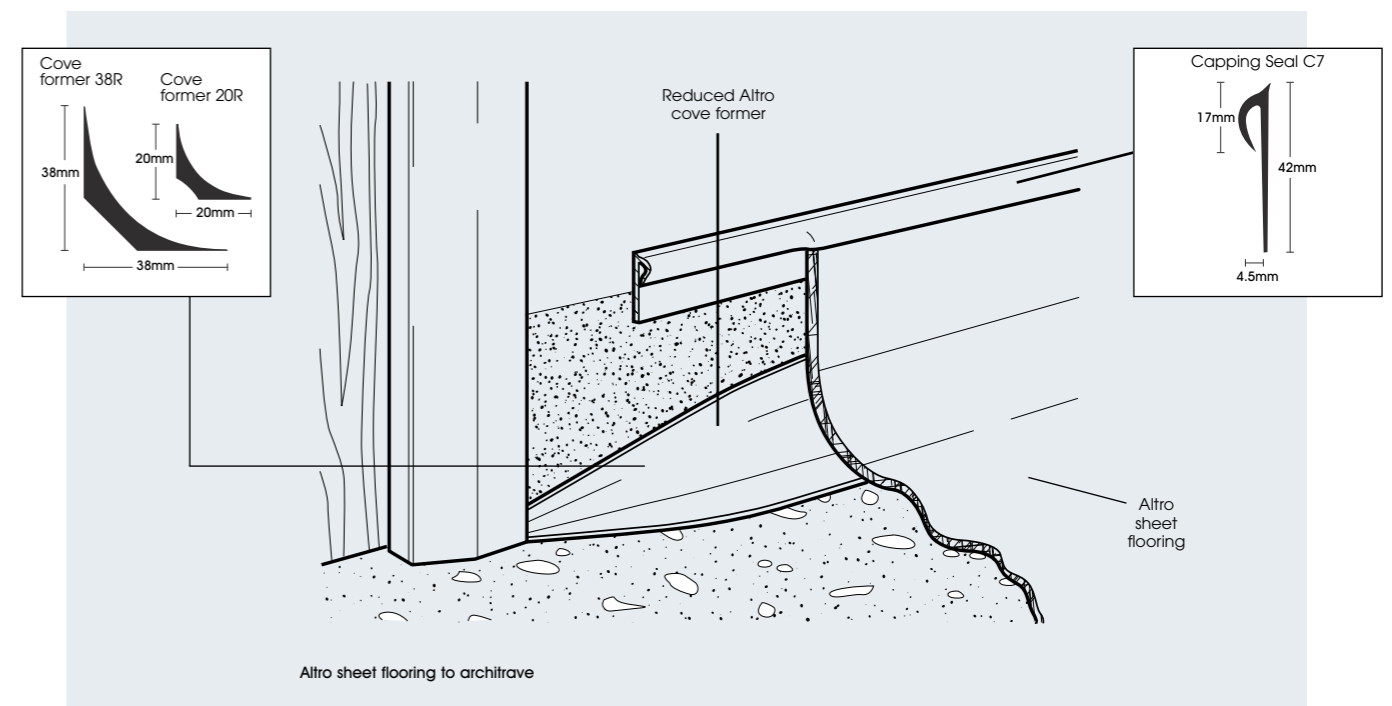
The performance of Altro flooring and walling depends on their correct installation, and the care with which jointing detail is finished. For your guidance, the drawings published here demonstrate best practice.

A representative selection of commonly encountered installations is shown. For further guidance, typical specification clauses and/or isometric diagrams please call Altro, or download from www.altro.com

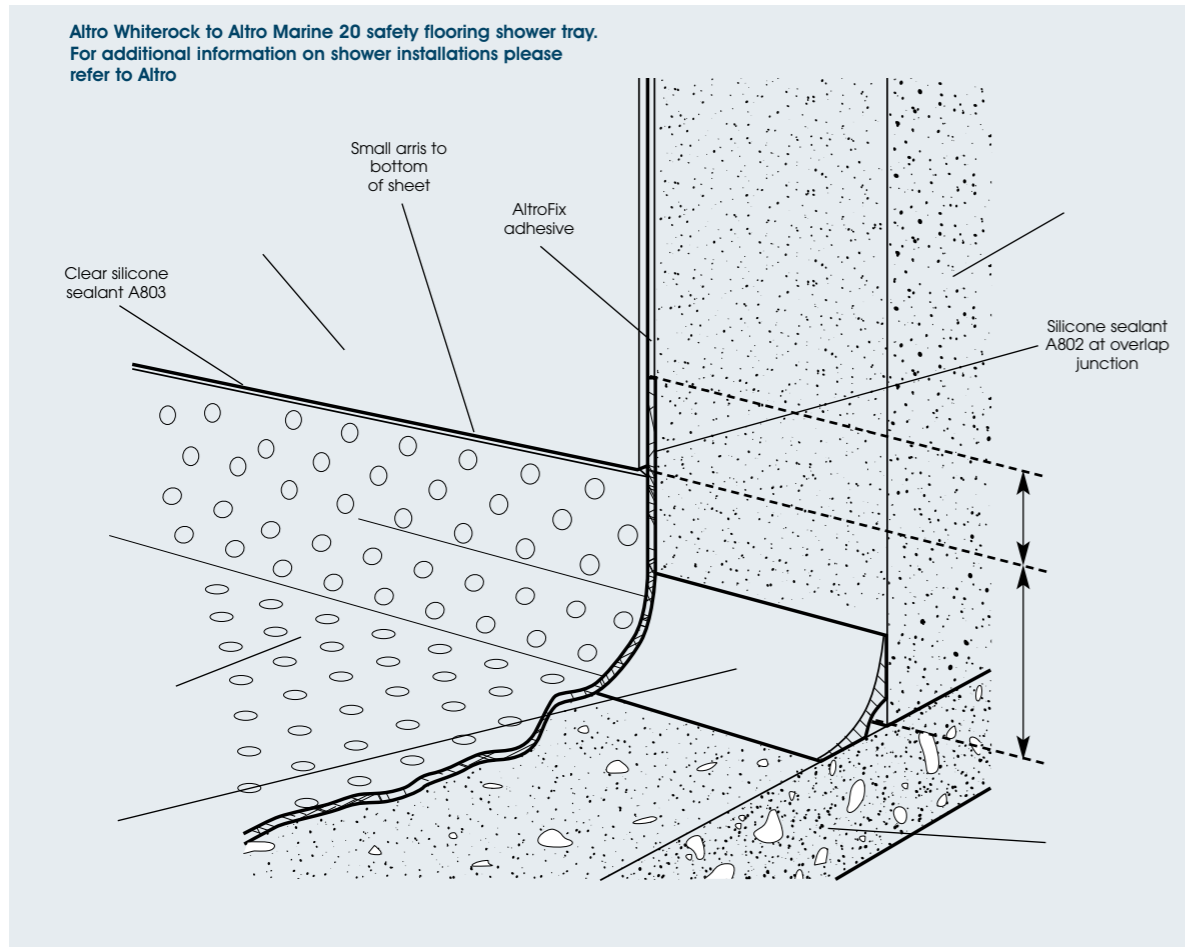
Sheet flooring overlay of ceramic tiles



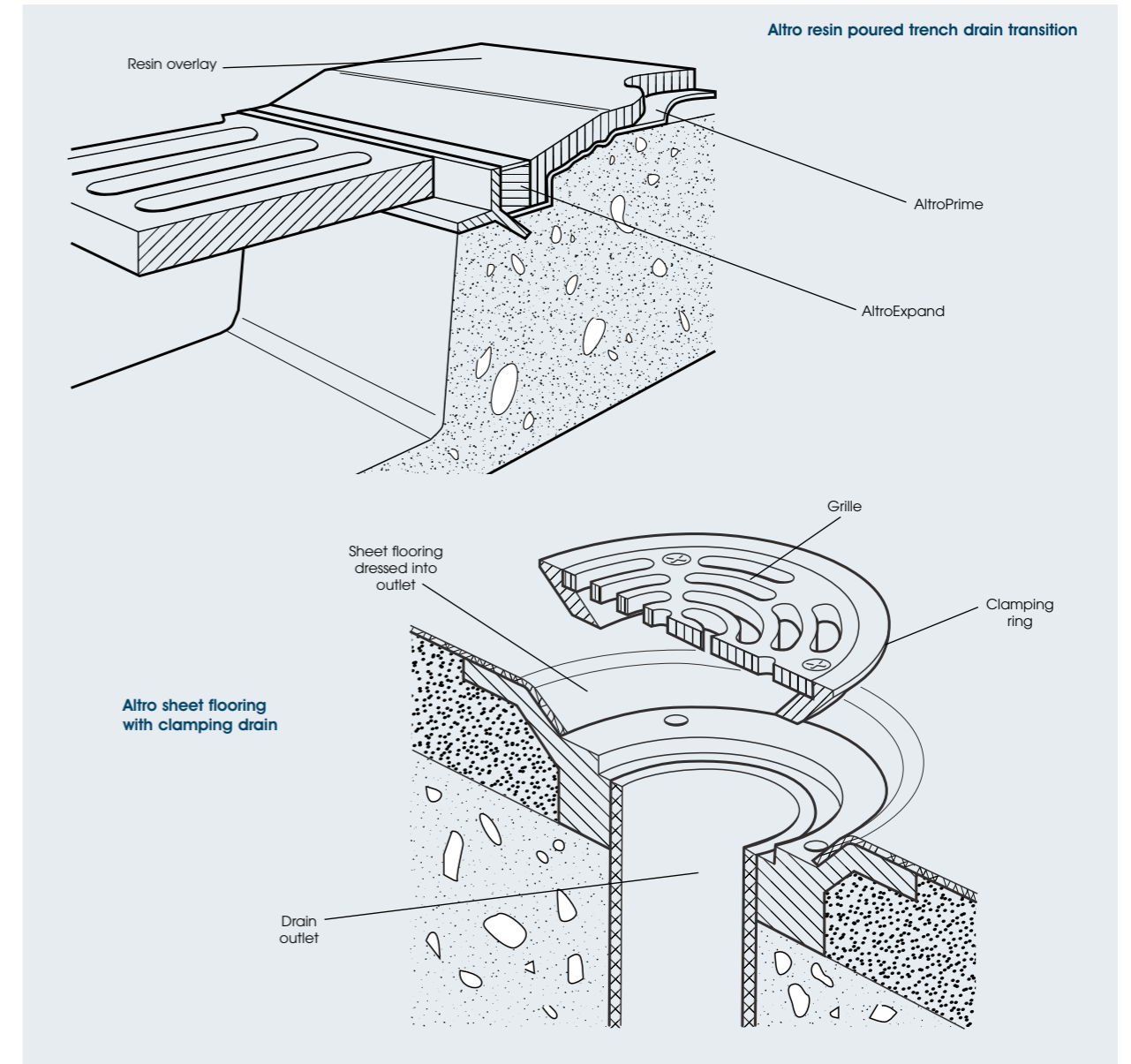
Door architrave detail



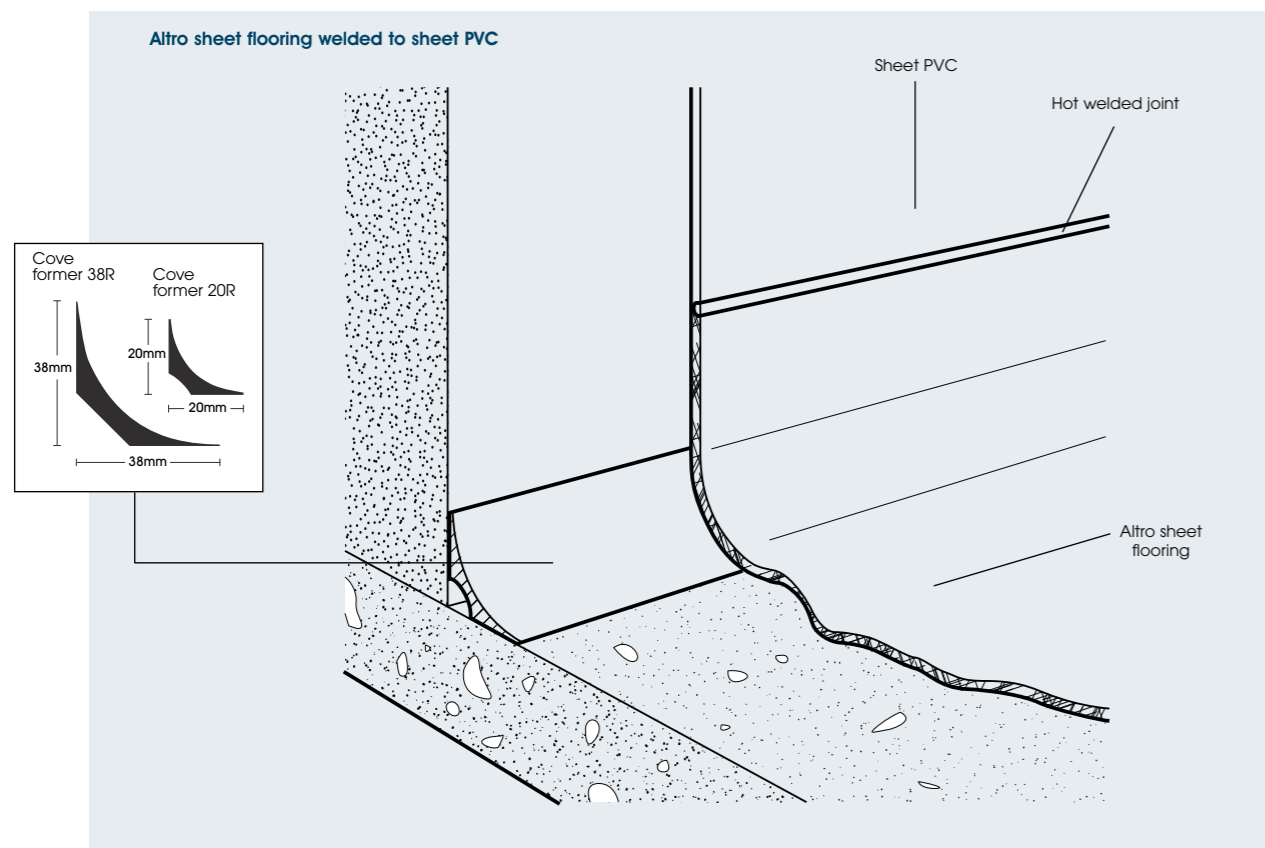
Shower tray detail



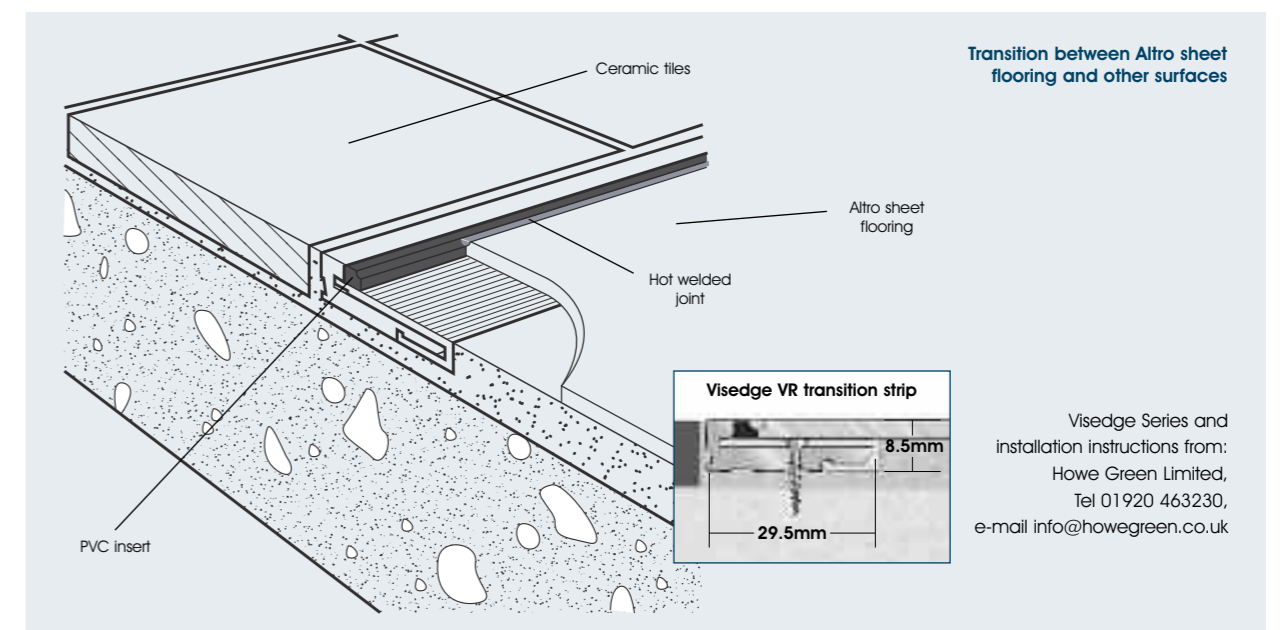
Drain detail



Altro flooring and walling junctions

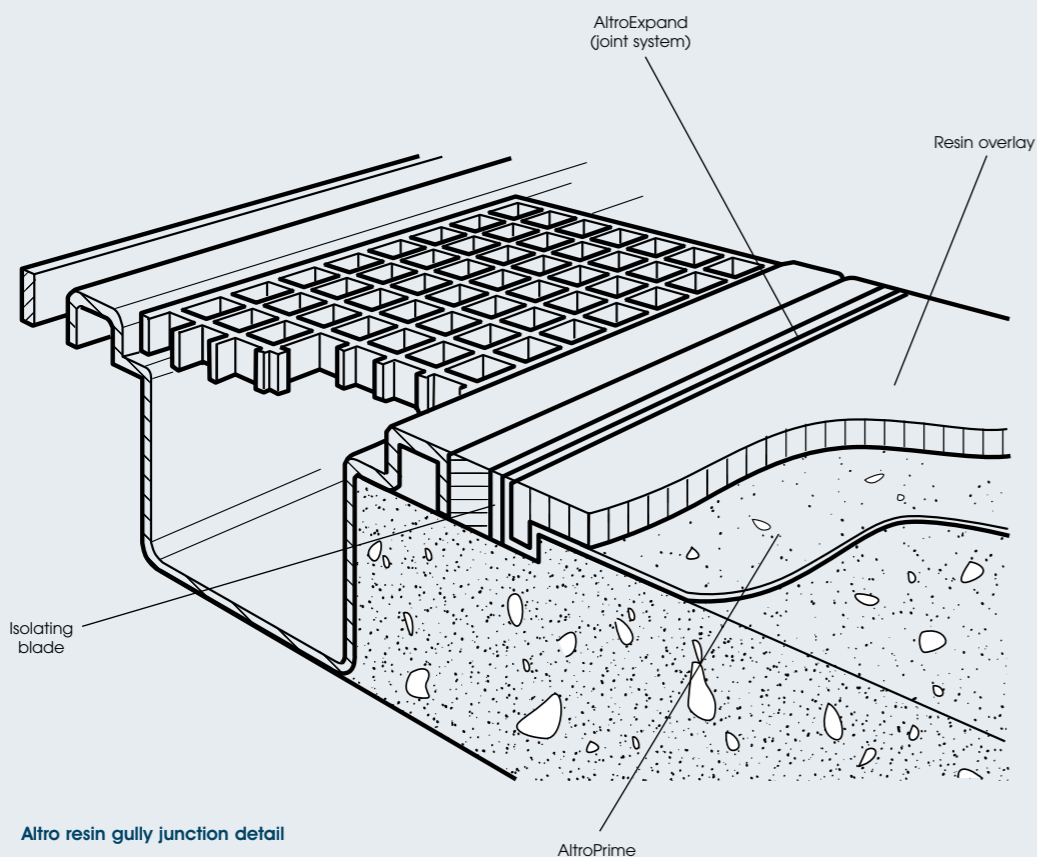
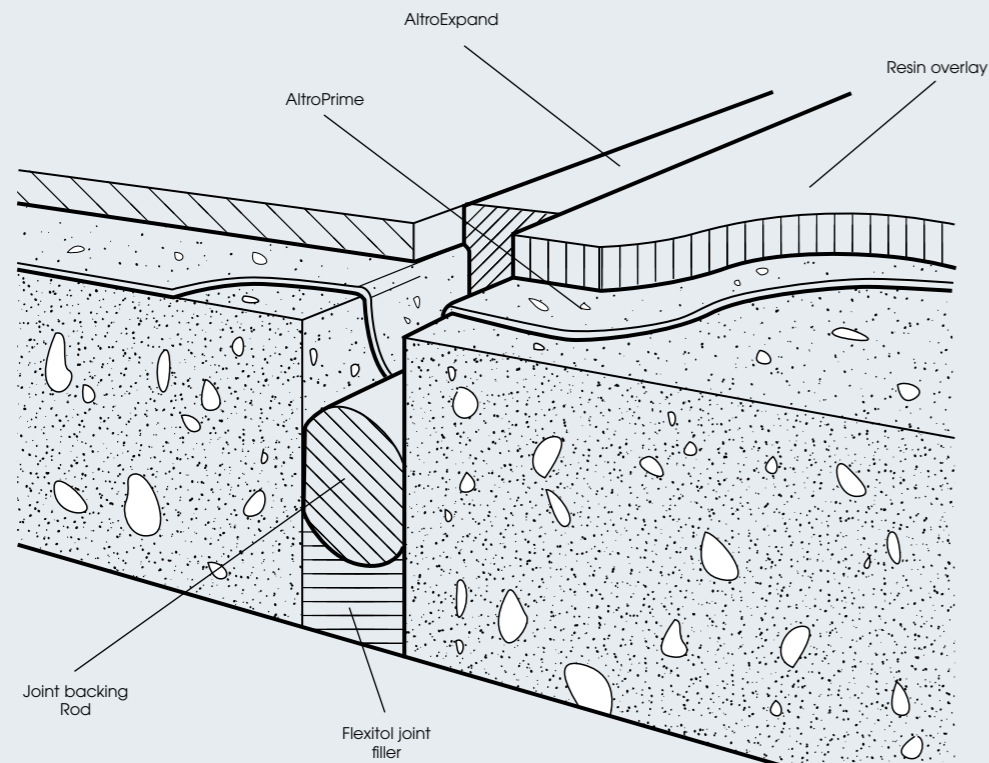


Sheet flooring transition



Resin flooring

Altro resin overlayment transition joint detail



Altro resin gully junction detail

Altro offer many other installation detail drawings to assist specifiers and installers. We have listed below a few of the drawings available. All our installation detail drawings can be downloaded from www.altro.com, within the 'Technical Information' section of the site. Altro can also provide detail and typical specification clauses for virtually any installation of our flooring, walling, doors or ceiling products. Please contact us on 01462 707600.

Floor/wall joint and coving

- Altro sheet flooring, straight laid flush to wall
- Altro sheet flooring, sit-on cove
- Altro sheet flooring, set-in cove skirting
- Altro sheet flooring, self-coved to painted wall finish, with Capping Seal C7
- Altro sheet flooring, self-coved to ceramic tiles, with Captile Strip C8
- Altro sheet flooring, self-coved over covered ceramic tiles, with Capping Seal C11
- Altro sheet flooring, self-coved and welded to flexible sheet PVCu wall covering
- Altro sheet flooring, self-coved to Altro Whiterock hygienic PVCu cladding
- Altro resin flooring cove detail, coatings flows and seals
- Altro resin flooring cove detail, isolated slab to wall
- Altro resin flooring cove detail, screed
- Altro resin flooring cove detail, Altro Whiterock hygienic PVCu cladding overlap transition (floor installed first)
- Altro resin flooring cove detail, Altro Whiterock hygienic PVCu cladding transition (wall installed first)
- Altro Whiterock hygienic PVCu cladding, to quarry tile floor

Shower trays

- Altro Whiterock hygienic PVCu cladding to Altro Marine 20 safety flooring shower tray
- For further information on shower installations please contact Altro Technical Services on 01462 707600.

All our installation detail drawings can be viewed/downloaded from our website www.altro.com, within the 'Technical Information' section.

Doors and abutments

- Altro sheet flooring to architrave
- Altro Whiterock hygienic PVCu cladding to architrave
- Altro Whiterock hygienic PVCu cladding to window/door frame
- Altro Whiterock hygienic PVCu cladding boxing/inspection cover detail
- Altro Whiterock hygienic PVCu cladding, making up above glazed tiles

Floor transition edging and drains/access

- Altro sheet flooring, finished with gully angle GA25/GA35
- Altro sheet flooring, finished with gully edge GE25RE/GE35RE
- Altro sheet flooring, with clamping drain
- Altro sheet flooring, with clamping channel
- Altro sheet flooring, with access cover
- Altro sheet flooring, with Visedge strip transition between other surfaces
- Altro resin flooring, poured trench drain transition
- Altro resin flooring, overlayment transition joint detail
- Altro resin flooring, gully junction detail

Stairs detailing

- Altro Mondo rubber flooring, with plastic stair accessories
- Altro sheet flooring, with aluminium stair accessories

Walls detailing

- Altro Whiterock hygienic PVCu cladding horizontal wall joint, installations over 3m from floor
- Altro Whiterock junction to stainless steel
- Altro Whiterock hygienic PVCu cladding or stainless steel corner protection fixing
- Stainless steel cladding to stainless steel capping

Ceilings

- Altro Whiterock hygienic PVCu cladding, access hatch detail
- Altro Whiterock hygienic PVCu cladding, diffuser panel detail

Wall systems

Altro offer you a complete shower solution

Altro offer you a complete flooring, walling and ceiling solution for showers, where cleanability, hygiene, waterproof sealing and safety are of the highest importance.

Altro Whiterock PVCu cladding systems, combined with Altro Marine 20 safety flooring, deliver an imperviously 'tanked' solution with integrated drainage and covered wall joints.

The system provides:

- safety underfoot
- high durability
- impervious floor and wall surfaces (grout free)
- coved floor to wall joints
- surfaces that contain integral bacteriostat
- a range of floor and wall colours
- co-ordinating flooring for changing areas



David Lloyd Leisure Centre

Seven good reasons to choose Altro Whiterock

Altro Whiterock semi-rigid hygienic PVCu wall cladding offers many advantages over ceramic tiles:

- lower installed costs
- better impact resistance
- hygienic, impervious jointing
- welded joint for even higher levels of hygiene
- better appearance retention
- improved cleanability
- quicker installation



Wales National Indoor Athletics Centre

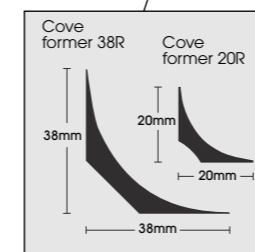
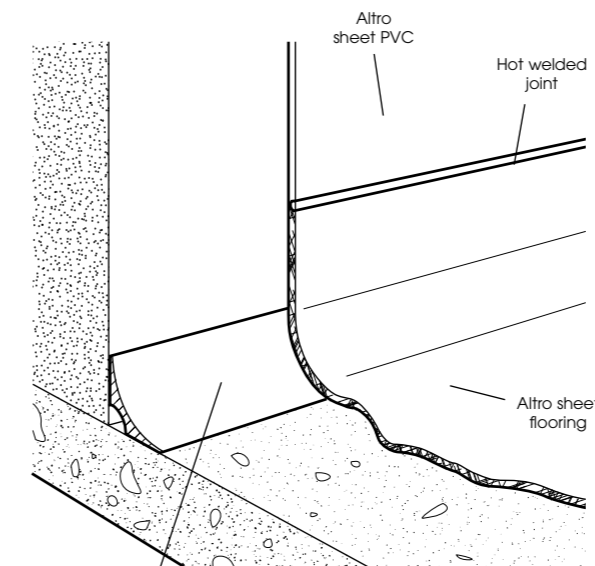
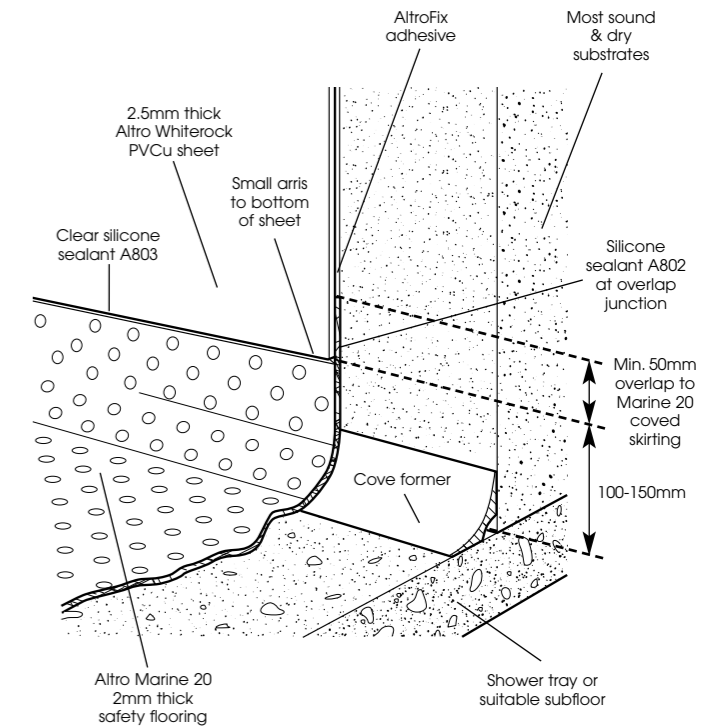
Altro Marine 20 safety flooring - refer to pages 40-
Altro Whiterock cladding systems - refer to pages 110-129

Wall finishes

A variety of wall finishes may be used in conjunction with Altro Marine 20 safety flooring within showers.

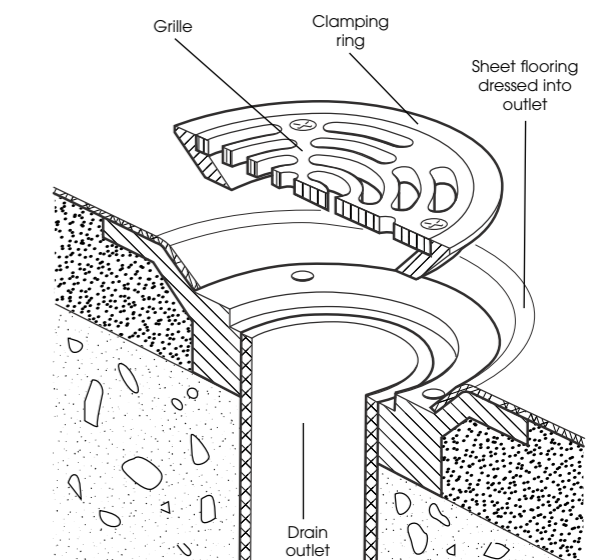
Altro Whiterock PVCu hygienic wall and ceiling cladding

Altro Whiterock PVCu hygienic wall and ceiling cladding is grout-free, is thermoformed around corners and all joints are sealed, creating an impervious, easy to clean finish from floor to ceiling.



AltroSmooth sheet vinyl

AltroSmooth sheet vinyl may also be hot welded to the floor finish to create a waterproof joint. AltroSmooth can be wrapped around corners and coved to the ceiling.



Detailing - drain outlet

A 'clamping' drain outlet can be used, creating a hygienic and waterproof installation.

All our installation detail drawings can be viewed/downloaded from our website www.altro.com, within the 'Technical Information' section.

Customer support / CPD services

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.

High impact, hygienic wall finishes

The CPD covers the thought processes behind the use of Altro's range of performance, high design, walling products.

Starting with an outline of the needs of the current marketplace covering regulations & specification considerations, into image creation and hygiene and safety.

Duration: 1 hour.

Resin - 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.

A question of sports floors

Provides an overview of the performance criteria in sporting locations and the types of flooring most suited to meet those needs.

Duration: 1 hour.

Developing a safer environment - Sustainability

This seminar describes the steps and processes towards sustainability in the built environment, introduces the Government's strategy for sustainable construction and discusses the benefits of PVC.

Duration: 1 hour.

How to reduce risk of slipping

According to the Health & Safety Executive, slips and trips are responsible for 33% of all reported major injuries and cost the economy a staggering £512 million each year. The specification of appropriate flooring is an important way of controlling risk.

To coincide with the HSE's campaign to reduce slips by education and enforcement, this seminar covers:

- The scale of the problem
- Good design practice & HSE recommendations
- Legal obligations and new guidelines
- A model for risk assessment
- Product selection, testing and standards
- Complies with RIBA Core CPD Curriculum

Duration: 1 hour.

The learning curve in education

Solutions for every education building including universities, laboratories, primary, secondary schools and nurseries.

Provides an overview of the types of flooring and walling solutions available for all areas - from general circulation to sports halls, special needs to dining halls, toilets to class rooms.

Duration: 1 hour.

Colour & Contrast

Introducing colour and contrast requirements for access and safe usage of public buildings.

- Simplifying the legislation surrounding colour and contrast including: The Disability Discrimination Act (DDA), BS8300 2009 and Approved Document M (with reference to Project Rainbow, research by Dr Geoff Cook of Reading University)
- How good use of colour and contrast can aid navigation
- How to provide good contrast - colour schemes to meet the current recommended standards
- Definition of LRV and measurement of colour and luminance contrast

Duration: 1 hour.

Available as RIBA Online CPD: <http://onlinecpd.ribaenterprises.com>

or please contact us for further details or to book your place:

Tel: 01462 707604 Fax: 01462 707504 e-mail: cpd@altro.com



Altro specifications

Altro safety flooring, Altro rubber flooring, Altro Mondo sports flooring

NBS Plus model specification guides for Altro safety flooring, Altro rubber flooring and Altro Mondo Sports flooring are available in an NBS format from Altro - as hard copy, on disk or on www.altro.com

Those 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.

Walling

NBS style specifications for Altro Whiterock walling and ceiling systems are also available. Please request a copy on 01502 580580.

Altro specifications

SG	1041-02	ALTRO SAFETY VINYL	680	A	SEAM WELDING*:
150	A	PLASTICS FLOORING:	731	A	SEALANT*:
		• Location:	741	A	EDGING TO:
		• Base:	741	B	EDGING TO:
		Preparation:	750	A	STAIR NOSINGS*:
		• Fabricated underlay:	751	A	STAIR TRIM*:
		as clause:	751	B	LANDING TRIM*:
		• Flooring roll: Homogeneous/Heterogeneous PVC	761	A	STAIR COVERINGS*:
		to BS EN 649/BS EN 13845.	770	A	SET-IN COVED SKIRTINGS*:
		Manufacturer and reference: Altro	770	B	SIT-ON COVED SKIRTINGS*:
		safety floor by Altro,	771	A	SELF-COVED SKIRTINGS*:
		telephone 01462 707600, fax 01462 707610.	773	A	JUNCTIONS BETWEEN
		BS EN 685 class 43.			SELF-COVED SKIRTINGS AND
		Width: 2000 mm			DOOR FRAMES/ARCHITRAVE*:
		Thickness: mm	775	A	STAIR STRINGER*:
		Colour:	780	A	TRAFFIC*:
		• Adhesive (and primer if recommended by	821	A	FINISHING PLASTICS FLOORING*:
		manufacturer):	821	B	FINISHING PLASTICS FLOORING*:
		• 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 UNDERLAY*:			
641	A	ADHESIVE FIXING - ALTRO SHEET FLOORING*:			

* (see full Altro NBS Guides SG1041-02 - Safety Flooring; SG1042-02 - Rubber Flooring; SG 1101-02 - Sports Flooring for reference with full details).



Case Studies

Altro Timbersafe™



Cumbernauld College

"The new Altro flooring creates a warm and welcoming environment within the salon. The walnut wood-effect finish looks great, and provides a durable and safe surface for staff, students and visitors."

Martin Loy, Cumbernauld College

Altro Stronghold™ 30 / K30



Gobowen Hospital

"All Altro's products are incredibly easy to work with, which meant we were able to tackle this complex project, including substantial subfloor preparation and installation of 14 new drains, in under two weeks. The staff at the hospital were extremely impressed we finished the job within the contract time, and the finished result looks superb."

Wayne Spooner from Graham's Fabrics

Altro XpressLay™



Skidders Academy

"This is the best innovation I have ever seen in the flooring industry, probably ever since Altro first invented Safety Flooring! I did not think anything in this industry could excite me anymore and this has, it is absolutely brilliant! A dream come true! I can see so many instances where this will come into its own."

Peter Warner, Warner Flooring Ltd.

Altro Whitrock Digiclad™



St James Swimming pool

"The curved wall in the shower area offered quite a challenge, but Altro Whitrock is an incredibly strong product, so we were confident we could achieve a stunning finished result. It's always good to know that Altro's technical support is there if we need advice on using a product in an unusual way, although I'm pleased to say we didn't encounter any such issues at this job."

Lee Sherwood, Elite Interiors

6 Steps to sustainability

As a leading manufacturer and supplier of flooring and walling solutions we've already taken great strides towards creating a sustainable business, but we recognise there is still a lot of hard work to do. With this in mind, we've identified 6 key steps that will improve our social, economic and environmental performance.



Step 1: Product Development

Most Altro products are made from PVC and although people don't always view PVC in a positive light, when considered over its entire life cycle, PVC based floor coverings perform favourably against competing materials. Safety flooring products achieve the highest possible BRE Global environmental ratings of A+/A in the major building applications of Health, Education, Retail and Commercial. All Altro sites are certified to ISO 14001:2004, the environmental management standard. All Altro safety flooring is wrapped using packaging which is 100% recyclable as cardboard.

Step 2: Recycling

All Altro safety flooring is 100% recyclable and contains post consumer waste as an integral raw material. Some Altro safety flooring products have up to 20% recycled content and some of our resin products, such as Altro SoloSafe™, contain up to 30% recycled material. As a founder member of Recofloor, the industry's vinyl take back scheme for post use vinyl flooring Altro collects and recycled post use safety flooring irrespective of manufacturer.

Step 3: Carbon Footprint

We've looked closely at our manufacturing processes, our buildings and our travel policies. This has already resulted in substantial carbon savings. We're also making sure that new sites are built to environmentally sound standards. With all our new buildings scoring 9/10 under the BREEAM method of assessment, we will see significant improvements in energy efficiency as we move forward.

Step 4: Energy Saving

Like any growing business our energy consumption increases with product output and so we are constantly looking for ways of becoming more energy efficient. We worked with the Carbon Trust in 2007 to save over 1000 tonnes of carbon dioxide and between 2007 and 2009 reduced our total energy consumption by over 7%. We continue to look for ways of keeping our energy consumption to a minimum.

Step 5: Waste Reduction

The installation of the first in house safety flooring recycling system means that we have not sent any waste PVC to landfill since 2007. The identification of further recycling opportunities and elimination of waste at source of the remaining waste streams has resulted in a total reduction in waste to landfill of 50% between 2007 and 2009. All consumables such as paper, cardboard, plastics etc are recycled wherever possible.

Step 6: Social Responsibility

Altro operates with integrity and honesty. It is our fundamental belief that a sustainable and responsible business will ultimately become a more successful one. We work closely with the local communities and have forged strong relationships with schools and other education establishments. From an environmental point of view, we always aim to successfully balance the practical needs of our customers with our responsibility to the environment. As our business grows, these concerns will remain high on our agenda.

Visit us at www.altro6steps.com or contact us on **01462 707 600** to find out more about Altro and our commitment to sustainable performance or to request a copy of "Altro for a sustainable environment".



the future is safer with altro



'6 Steps to Sustainability'

Altro have always had a clear commitment to producing interior surfaces that meet the needs of our customers. But we don't think meeting those needs today should affect the environment for future generations. So we're leading the way again by identifying 6 key steps (Product Development, Recycling, Carbon Footprint, Energy Saving, Waste Reduction and Social Responsibility) that will ensure Altro is as sustainable as possible without compromising on quality or value. Altro is the only safety flooring manufacturer to recycle safety flooring in-house. All Altro safety flooring contains recycled content. **See page 154 for more information.**

See our '6 Steps to Sustainability' at www.altro6steps.com

call: 01462 707 600 e-mail: enquiries@altro.com or visit www.altro.com

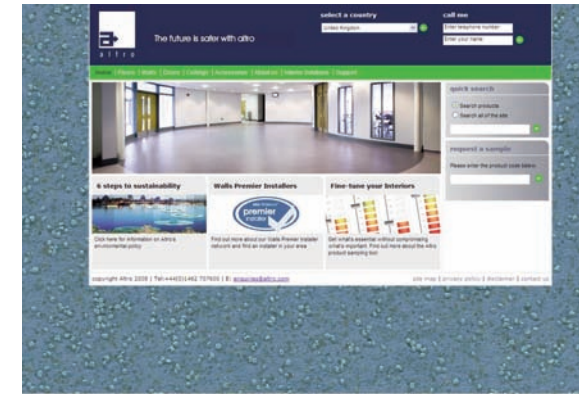


Open My Altro

and the world of interior surfaces is your oyster

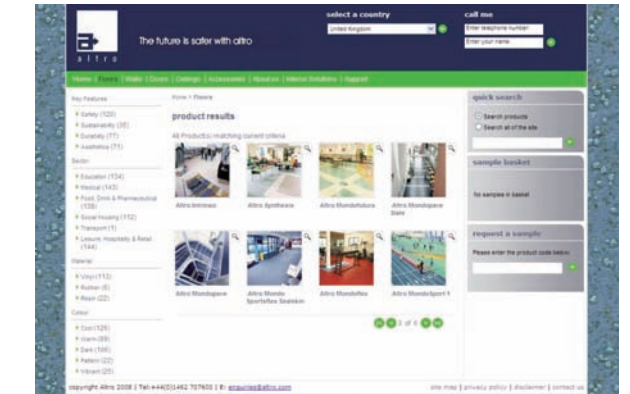
NEW LOOK WEBSITE

Our website has a fresh look and simple navigation to information on our products and services. www.altro.com



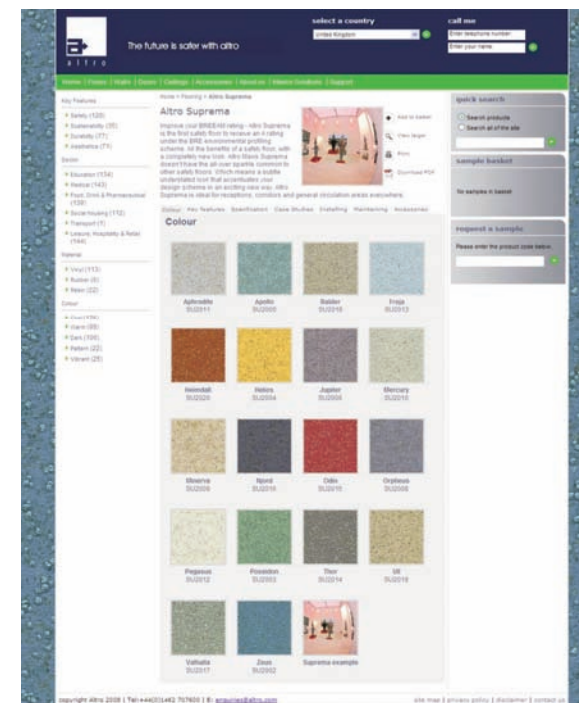
PRODUCT INFORMATION

View online swatches, zoom in for detail, see an example of the product installed, or simply order a sample.



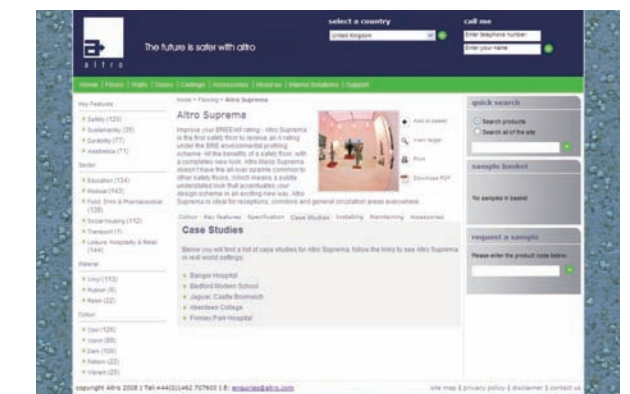
SIMPLE NAVIGATION

Browse our products by key feature, sector, material, or colour.



TECHNICAL DOWNLOADS

View key features and specifications. Case studies, installation instructions and maintenance guides are also available to download.



www.altro.com