



altro

the future is safer with altro

CI/SfB

(42)+(43) X

December 2011

ALTRO WHITEROCK™ DOORSETS

www.altro.com

Altro Whiterock doorsets – easy to clean, made to last

Altro Whiterock doorsets have been developed specifically with hygiene, ease of cleaning and total life cost in mind. The Altro Whiterock PVCu facings mean you can be confident of a finish that's dependable and made to last. That's why specifiers, end users and installers everywhere are choosing the consistent hygienic and technical performance of Altro Whiterock doorsets.

Hygiene without compromise

Radius edges to both door and frame sets contribute to the total hygienic package and ensure maximum hygiene levels without compromising on appearance and robustness. The Altro Whiterock doorsets range is available in a wide selection of styles - choose any colour or design from the Altro Whiterock range of hygienic wall cladding. This versatility makes Altro doorsets ideal for installation in a wide variety of environments, especially in conjunction with Altro ceilings, wall cladding and flooring.

Flexibility for any specification

The choice and flexibility do not stop at cladding material. Doorsets can also be supplied with a range of other features including a wide selection of vision panels. These are offered in traditional beaded forms or, alternatively, with flush glazing. Various door furniture and ironmongery are available and technical characteristics such as fire resistance, sound insulation, smoke control and radiation resistance can be specified to meet your bespoke needs.

Easy installation, consistent performance

Altro Whiterock doorsets are ready to fit when they arrive on site, and because they're delivered in a finished state, the installation process is easy and uncomplicated. This also ensures that the range of technical features associated with Altro Whiterock doorsets can be consistently achieved in practical applications. So when you specify technical performance from an Altro Whiterock doorset you get exactly what you need.





Health and Safety

3

With the spotlight increasingly focused on Health and Safety, the issue of hygiene is a vital consideration in healthcare environments in particular. There is no room for compromise in the fight against Hospital Acquired Infections (HAIs) and effective infection control requires an environment that is easy to clean. That's why surfaces such as Alto Whiterock offer a significant advantage over traditional door surfaces. Alto Whiterock doors offer little or no opportunity for bacterial growth and are extremely easy to maintain.

Another important factor in the control of bacteria is the avoidance of sharp corners and joins as they can potentially harbour bacteria. The radiused corners and single sheet facing of Alto Whiterock doorsets help to maintain a clean, sterile environment. 'Soft' corners also help limit injury to users and reduce impact damage to door edges. Alto Whiterock doors contain Altrosan™, an integral biocide that inhibits bacteria growth. Used in combination with Alto walling, flooring and ceiling systems Alto Whiterock doors can help fight against a range of bacteria. When fitted in a clean environment and properly maintained these complete systems are extremely effective.

The Equality Act 2010 (formerly known as DDA)

This act protects the legal rights of disabled people, requiring that building owners and designers facilitate access within their premises.

The provisions of approved document Part M of the Building Regulations 2004, (access to and use of buildings), and Code of Practice BS 8300 : 2009 (design of buildings and their approaches to meet the needs of disabled people), along with the associated Code of Practice, BS 8493:2008, (on measuring light reflectance values), may also apply.

One element of these regulations involves ensuring that partially sighted people can safely negotiate doorways easily and without injury.

Contrasting door frame and door edge colours or intumescent strip colours can help you to achieve the required differing light reflectance value (LRV). LRVs are available for all Alto cladding and flooring ranges. By making full use of the various door and frame cladding colours on offer you can meet your duty of care without compromising on aesthetics, functionality or hygiene.

Where the door leaf or side panel is wider than 450mm, all entrance doors and where appropriate internal doors other than for reasons of security, must include a vision panel. The vision panel should be installed towards the leading edge of the door, and its vertical dimensions should include the minimum zone or zones of visibility. If the door has a single viewing panel, the minimum zone of visibility should be between 500mm and 1500mm from the floor level. If the door requires two viewing panels then one should accommodate a zone of visibility between 500mm and 800mm from the floor and the other zone of visibility between 1150mm and 1500mm from the floor.

Ironmongery design, colours, sizes, positions and fixing methods should also be considered along with door closer design to allow for ease of opening, (not exceeding a force of 20 N).

Altro Whiterock

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. These are areas where, traditionally, people have opted for ceramic tiles – which were never designed to cope with all modern hygiene requirements. The Altro cladding systems give you a new option, and in many ways a superior one.

No gaps on surface - The key difference is the lack of grout on the surface of the PVCu wall cladding. Unlike a tiled surface dirt has nowhere to hide and water cannot seep through to the substrate behind. Water seepage 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 systems are fully bonded and sealed to walls. They are air and watertight, so nothing can get in behind.

Tough to crack - An Altro PVCu cladding has an extremely high impact resistance. 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.

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 can be adhered direct to good quality, sound, straight block-work or tiles avoiding the need for 'wet trades'. Installation by the network of Premier installers can ensure that the installation meets with the expectations of the customer with regards to appearance and construction standards.

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. You can choose between the simplicity of Altro Whiterock, the subtlety of Altro Whiterock Satins™ or the stunning colours of Altro Whiterock Chameleon™. Proven systems, installed by experts and backed by up to a 20 year 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 meets all EU Directives on health and hygiene. Protect everybody's interests with Altro.

Door Types

There are a number of factors to consider when choosing your doorset. Ease of installation, fire resistance, and the control of smoke and radiation are of varying importance depending on the application. Because Altro Whiterock doors come as a complete set, the technical performance and integrity of your installation are assured. Doorsets are available in a wide range of standard or bespoke sizes and a variety of formats. Altro Whiterock doorsets can be customised to your specific requirements taking into consideration some of the following factors

- Fire resistance - None, 30 minute, 60 minute
- Acoustic control - none or 29 RwdB
- Smoke control
- Vision panels

Impact
Resistance



Excellent

Chemical
Resistance



High

Hygiene



Good



Ease of
Cleaning



Easy

our promise to deliver



the highest quality products & services

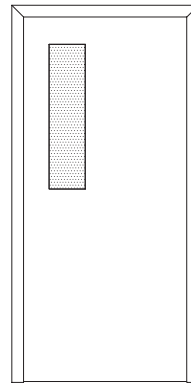




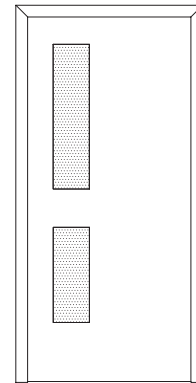
Vision Panels

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

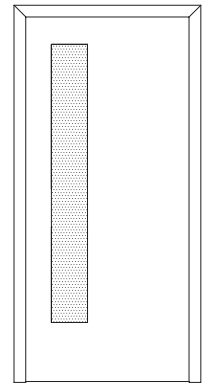
Bespoke designs can also be catered for.



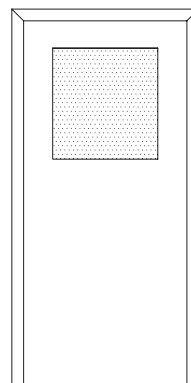
ALVP1



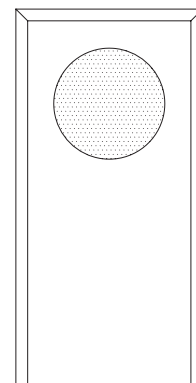
ALVP2*



ALVP3*



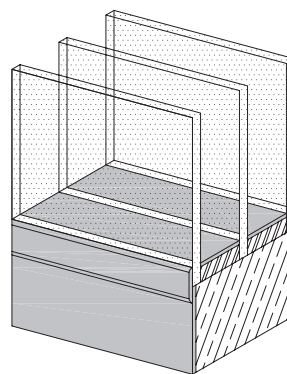
ALVP4



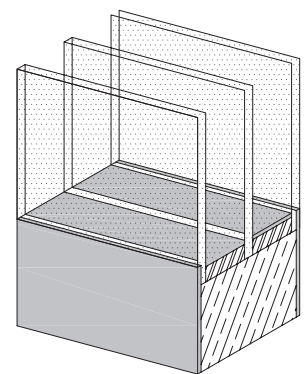
ALVP5

** complies with building regulations part M and BS8300*

Vision panels can be glazed as per our 2 standard glazing systems indicated below. Alternatively vision panels can be supplied with internal blinds or louvres if privacy is required. Bespoke glazing is also available, discuss your requirements with Altro direct.



DETAIL X



DETAIL Y

Flush glazed doors are supplied with 2 acrylic glazing panels. A central glass pane is incorporated in fire rated doors.

Frames

6

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

Detail Frame A

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

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

Detail Frame B

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

Detail Frame C

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

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

Detail Frame D

Frame Detail A with architraves.

Detail Frame E

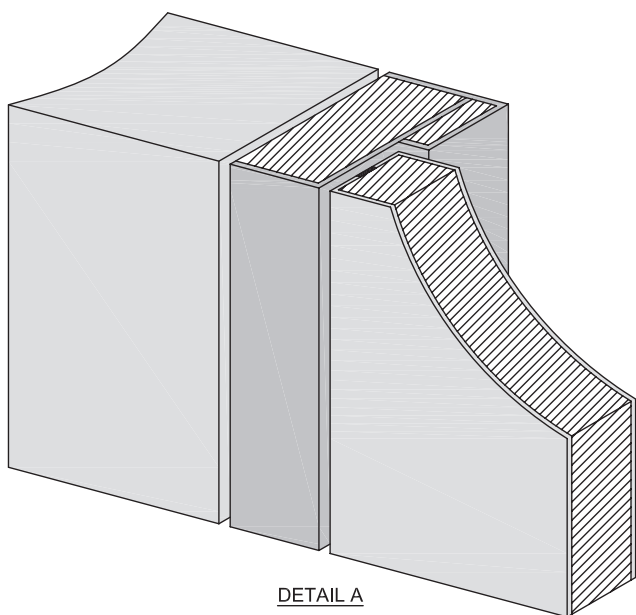
Double action doorset hung in an overlapping frame.

Detail Frame F

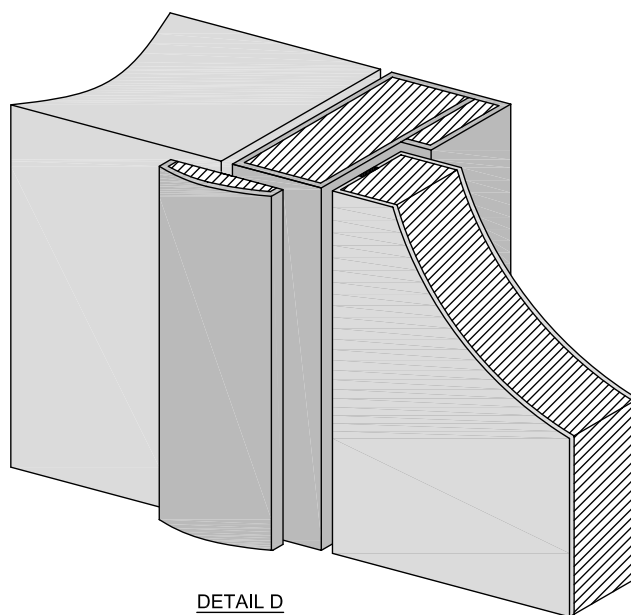
Frame detail A is set back from the face of the wall to form a reveal which accommodates greater construction tolerance with regard to vertical wall alignment.

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

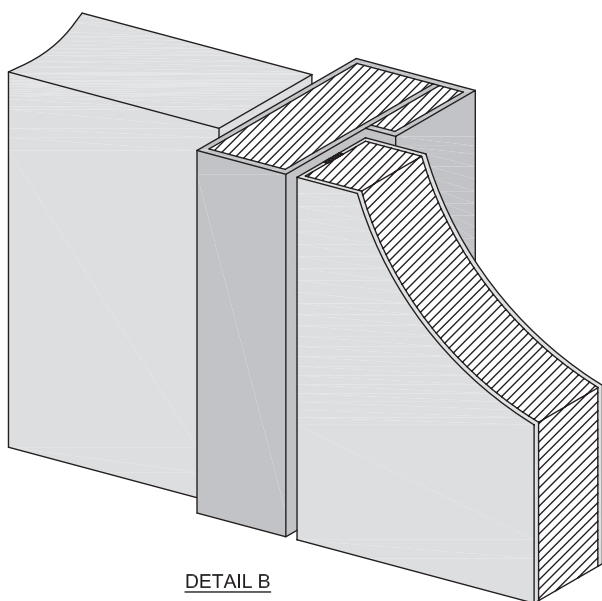




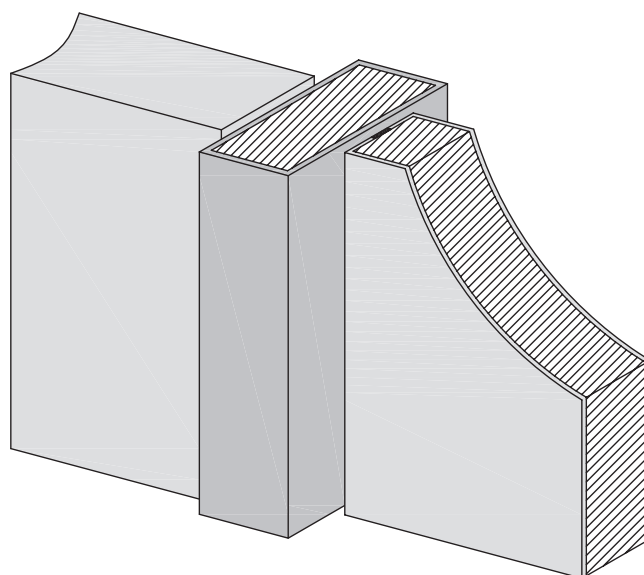
DETAIL A



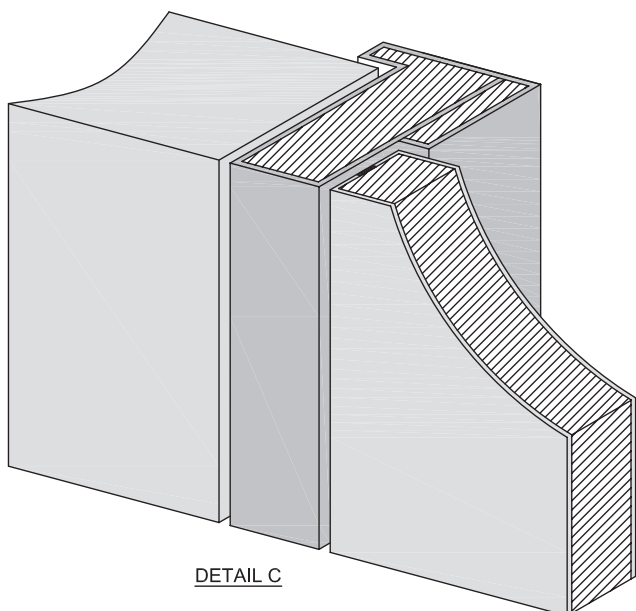
DETAIL D



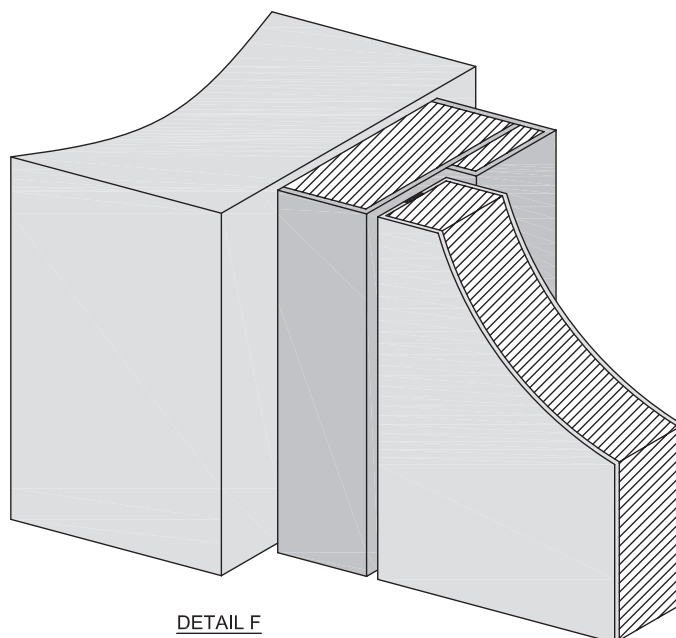
DETAIL B



DETAIL E



DETAIL C



DETAIL F

Installation

8

All Altro Whiterock doorsets frames are delivered to site ready for installation. Doorsets are well packed and protected to avoid damage in transit. Double doorsets and frames are packed separately. This affords better protection, reducing the risk of damage during transit, ensuring they arrive in optimum condition.

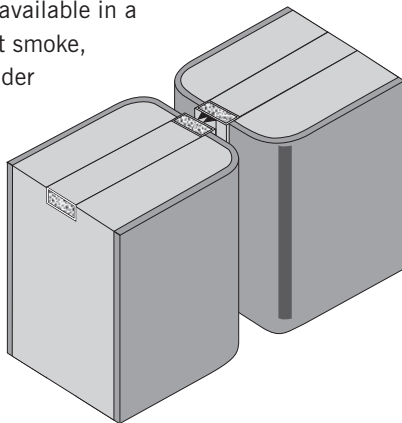
All components are clearly marked and identified for ease of installation. Holes for fixing the frame should be carried out on site, these will require a 13mm counter bore to receive screw covers. Matching screw covers are provided to ensure a neat, high-quality finish. Once delivered, all materials should be checked and carefully stored in a secure, dry environment.



Seals

When you're specifying doorsets the fire rating is an important consideration. Altro Whiterock fire rated doorsets are tested to BS476 part 22 and are fitted with appropriate intumescent fire seals. These intumescent seals further enhance the overall quality construction of the doorset to provide increased fire protection.

Alternative seals are also available in a variety of forms to combat smoke, sound and air transfer. Wider seals can also be fitted in contrasting colours. These will meet the requirements of the Equality Act 2010 in situations where doors are normally held open.



Ironmongery

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

Hinges

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

Kickplates

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

Locks, latches and flushbolts

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

Projecting hardware e.g handles and door closers

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

Anti-ligature

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



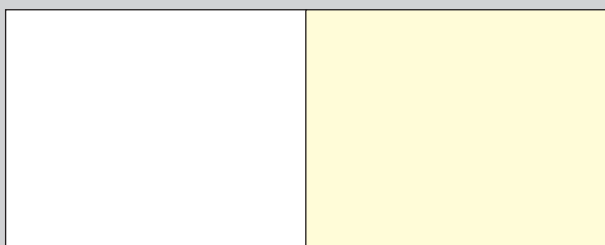
More than doorsets

10

Altro also offer a wide range of flooring, walls and ceilings. All of these innovative products have been created to offer an unrivalled combination of aesthetics, hygiene, cleanability and safety. With Altro you don't have to compromise.

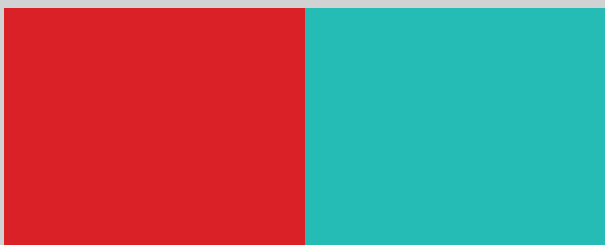
Walls

Altro's range of walling enables you to deliver stunning looks without compromising on hygiene and cleanability.



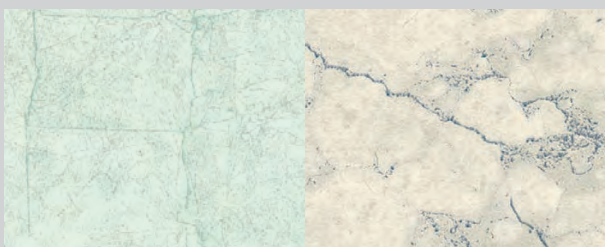
Altro Whiterock

Altro Whiterock Satins™



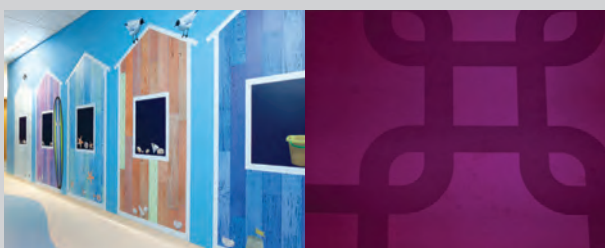
Altro Whiterock Chameleon™

Altro Whiterock Splashbacks™



Altro Whiterock Illusions™

Altro Whiterock Stone™



Altro Whiterock Digiclad™

Altro Whiterock Chameleon Art™

Ceilings

Ceilings systems can be used together with Altro flooring and walls to create the complete solution. By combining all of these products you can create complete interior spaces that will meet every aspect of the most demanding specifications.

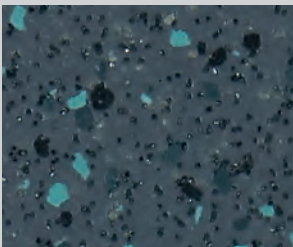


Altro flooring, the perfect partner

For all-round performance Altro safety flooring and Altro resin systems form the perfect partnership with Altro Whiterock. Both contain our unique Altrosan™ bacteriostat for superior hygiene and can be covered and joined for optimal performance. Altro safety flooring also incorporates Altro Easyclean™ Technology, for superior cleanability.

Safety Floors

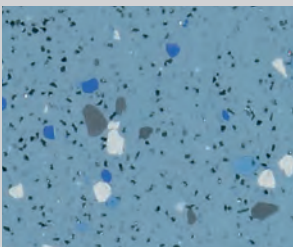
As the inventor of the safety floor, Altro have spent years developing products that meet and exceed the demands of modern living. When you choose flooring from Altro you get outstanding slip resistance without compromising on hygiene or appearance.



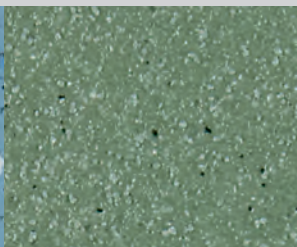
Altro Maxis™ 25



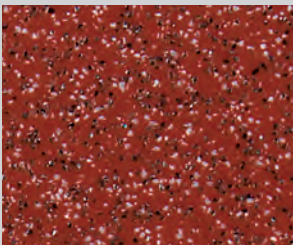
Altro Marine™ 20
for wet areas



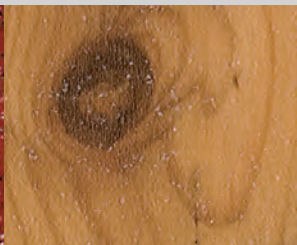
Altro XpressLay™



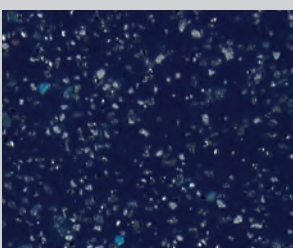
Altro Suprema™ II



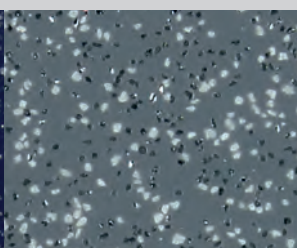
Altro Walkway™ 20



Altro Timbersafe™ II



Altro Designer™ 25



Altro Stronghold™ 30

Resins

Altro's range of resin flooring offers a fantastic combination of stunning looks and durability. So regardless of whether you need robust functionality or high design, resin flooring from Altro is an excellent choice. The outstanding range of finishes has been developed by Altro to deliver long-lasting performance in any situation.





altro

the future is safer with altro

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

tel: 01462 707600 fax: 01462 707504 e-mail: enquiries@altro.com www.altro.com



, the future is safer with altro, Altro, Altro Whiterock, Altro Whiterock Satins, Altro Whiterock Illusions, Altro Whiterock Stone, Altro Whiterock Chameleon, Altro Whiterock Splashbacks, Altro Whiterock Digiclad, Altro Maxis 25, Altro Marine 20, Altro Walkway 20, Altro Timbersafe II, Altro Mirica, Altro Suprema II, Altro Designer 25, Altro Stronghold 30 and Altrosan are all trademarks of Altro Limited.

Content correct at time of going to print. Altro reserves the right to change any detail.

TO ASSIST IN TRAINING, SOME CALLS MAY BE RECORDED

© Copyright Altro 2011

DORBROUKT01KC