

Introduction to Altro doors

Altro doorset systems

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

Altro door protection panels

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



Altro doors technical chart

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

* Contact Altro for further information

FIRE EXIT



Altro doorset systems



Altro Whiterock™ hygienic doorsets

Typical applications:

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

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

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

Altro Fortis™ doorsets

Typical applications:

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

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

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



Looks great with:

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

Please see technical chart on
page 70 for full details.



Samples

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

☎ **01462 707 700**

✉ **samples@altro.com**



Altro doorset overview



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

Frames

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

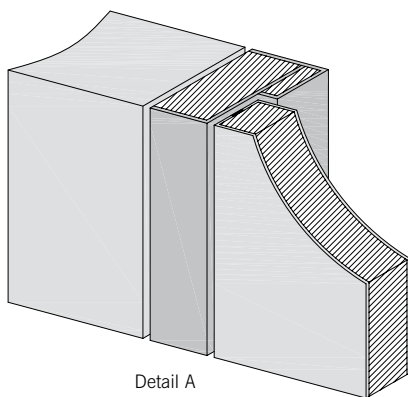
Detail A

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

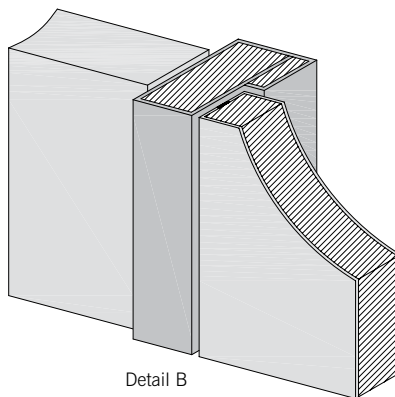
Note: tight construction tolerance is required with regard to vertical alignment of walls if this detail is chosen. Abutments are to be sealed with Altro silicone sealant, or architraves can be used (see Detail D). Alternatively fit the edge of the frame back from the face of the wall min 10mm to form,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

Detail B

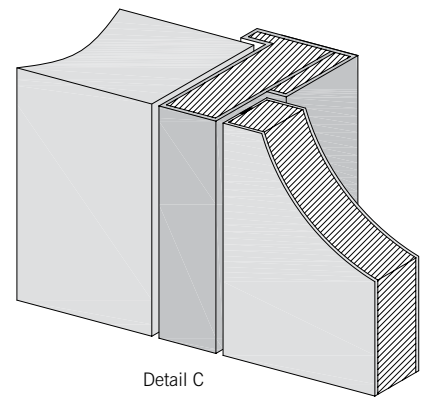
One piece overlapping frame - The frame is manufactured wider than the wall thickness. Altro Whiterock or Altro Fortis Titanium is wrapped around the back to encapsulate the frame and will accommodate greater construction tolerances with regard to vertical wall alignment.



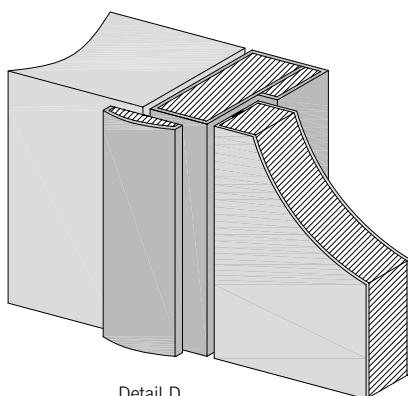
Detail A



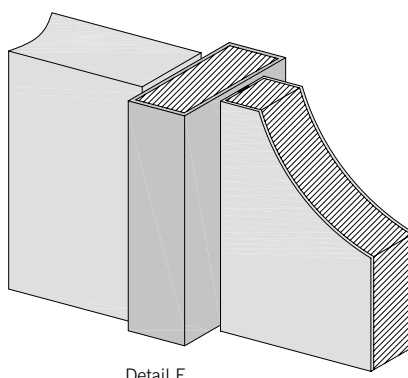
Detail B



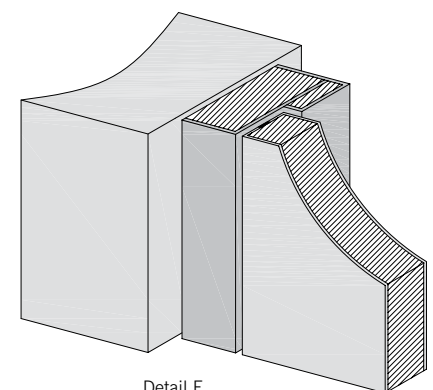
Detail C



Detail D



Detail E



Detail F

Detail C

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

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

Detail D

Frame Detail A with architraves.

Detail E

Double action doorset hung in an overlapping frame.

Detail F

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

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

Door types

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

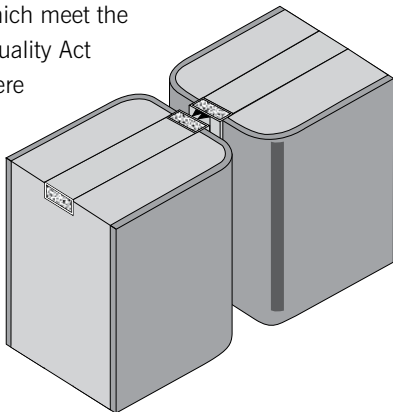
Next, you'll need to consider factors such as your vision panel, ease of installation, fire resistance (none, 30-minute or 60-minute), smoke control and acoustics (none or 29 RwdB).

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

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

Seals

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



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



Ironmongery

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

Hinges

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

Kickplates

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

Locks, latches and flushbolts

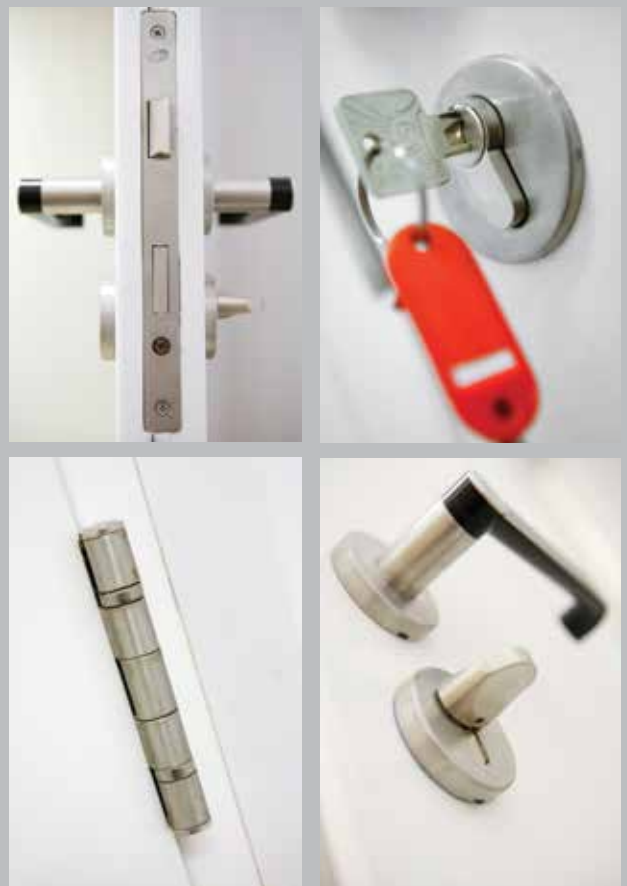
Doors are supplied with housings for either Altro standard or your own specified ironmongery.

Projecting hardware eg handles and door closers

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

Anti-ligature

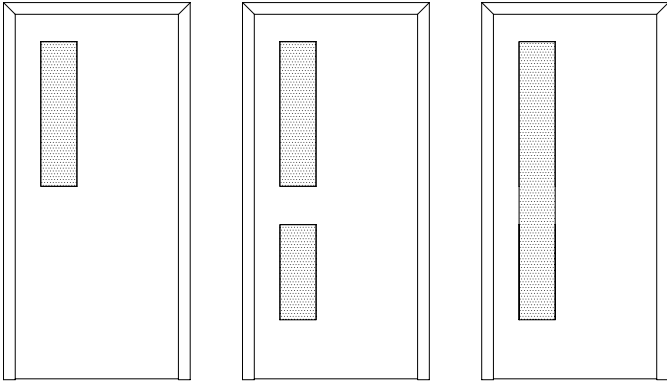
Doorsets can be manufactured to meet specified anti-ligature requirements. Please contact Altro for further information.



Vision panels

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

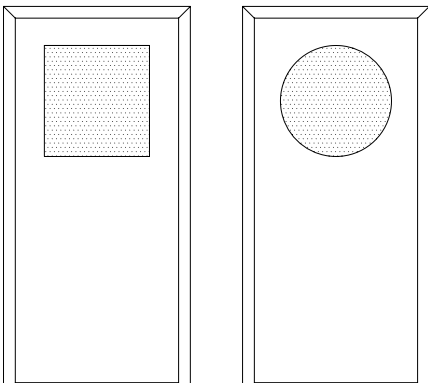
Bespoke designs can also be catered for.



ALVP1

ALVP2*

ALVP3*

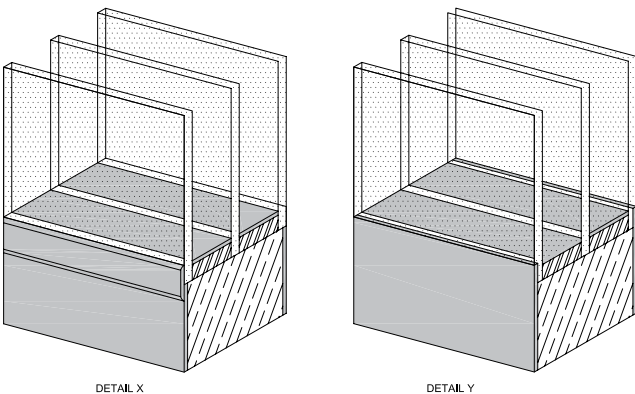


ALVP4

ALVP5

* complies with building regulations part M and BS8300

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



DETAIL X

DETAIL Y

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



Altro Fortis™ door protection

Typical applications:

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

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

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



Looks great with:

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

