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# Altro Fortis™ wall protection system

Data sheet

Wall protection cladding, Altro Fortis Titanium™

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Durable protection for walls, doors and corners. Suitable for busy public areas.

## Description

Extruded semi-rigid PVCu sheet.

Colour: various

Surface finish: textured

Thickness: 2.5mm

Size: 3000 x 1220mm

Weight: 3.5 kg per m<sup>2</sup>

Maximum service temp: 60°C

Altro Fortis Titanium extruded sheet is supplied with a protective film on its face which can be left in place until the room is ready for use.

This also helps to protect the surface from dust while other trades are in the area. It is ideal for applications requiring a durable easy-to-clean, almost maintenance free wall finish.

## Fixing

The sheets can be fixed directly to most dry substrates depending on its surface suitability, using one of the following methods:

1. AltroFix™ W139 all over adhesive
2. AltroFix™ W157 all over adhesive

## Cutting

A jigsaw is the best method, however a fine toothed hand saw or circular saw with pressure guide can also be used.

## Jointing / finishing

- see relevant detailed drawings

1. A high impact extruded PVCu 'H' joint trim (available in two part or single part profiles), incorporating a watertight seal at the mouth of the joint, which is unique to Altro.
2. Colour co-ordinated Altro FlexiJoint™.
3. Hot welded joint - ask for details
4. Altro Mastic XT™ a durable harder mastic which reduces dirt pick-up.
5. Altro Flexitrim™ a bevelled top-edge trim for dado height.

## Internal / external corners

- see relevant detailed drawings

Altro Fortis Titanium is normally thermoformed on-site, so that window and door reveals are neatly clad without an edge joint. However, profiles are available for the selfinstaller to cope with these details. Vulnerable external corners can be over-clad with Altro Fortis corner protection or stainless steel corner protectors.

## Cleaning

Regular cleaning using a soft cloth and a suitably diluted mild detergent is all that is normally required. Stubborn marks can be removed with Altro Cleaner A859 or non-abrasive domestic type cream bath cleaner.

Do not use abrasive pads or wire wool.

Do not clean above 60°C.

Cleaning cards are available on request.

## Chemical resistance

Resistant to a wide range of chemicals, specific details on request.

## Availability

Ex-stock.

## Storage & conditioning (on-site)

Sheets should be stored flat, fully supported and left for 24 hours to attain the ambient room temperature prior to installation (min 14°C).

## Limitations of use

Altro Fortis Titanium has a maximum working temperature of 60°C. For temperatures above this use stainless steel. Stainless steel must be used for all open flame areas (available cut to size). If a layout showing the position of equipment can be supplied, we will provide specific advice as to the best combination of materials to use.

## Typical applications

- Corridors
- Classrooms
- Circulation areas

Our Technical Services Department is available for advice on +44 (0)1462 707604.

## Technical data

Property	Standard	Values
Density (g/cm <sup>3</sup> )	ISO 1183	1.39
E-modulus of elasticity (Mpa)	ISO 527	3550
Gardner impact resistance (in-lb)	ASTM D4226	131
Impact resistance (KJ/m <sup>2</sup> )	ISO 179/ea	>9
Flexural strength (Mpa)	ISO 178	79.8
Tensile strength (Mpa)	ISO 527	48
Shore-hardness D	ISO 868	79
Expansion coefficient at 20°C after 1 h storage at 90°C (10 <sup>4</sup> /K)	DIN 53752	7x10 <sup>-5</sup>
Water absorption (%)	ISO 62	0.09
Light reflectance values (LRV)	D65 artificial daylight	Various
Flammability	EN13501-1	B, s3, d0

**for further information or technical advice**

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