Altro Whiterock™ hygienic wall systems

Data sheet

'EU' grade - extruded WDS25/WDS30,

Altro Whiterock wall designs

The installation guidance included in this document is for UK and European installations

September 2025

Natural wood, metal, stone and linen designs on an Altro Whiterock wall sheet for general purpose use. Also suitable where sheet may come into contact with food.

Description

Extruded semi-rigid PVCu sheet.

Colour:	White
Surface finish:	Satin
Thickness:	2.5mm
Size:	2500 x 1220mm (WDS25)
	3000 x 1220mm (WDS30)
Weight:	3.6 kg/m^2
Maximum service temp:	60°C

Altro Whiterock PVCu 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 hygienic easy-to-clean, almost maintenance free wall finish, which conforms to UK and European hygiene requirements.

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 fully bonded system
2. AltroFix™ W157 fully bonded system

Cutting

Cutting to be carried out using a fine tooth circular saw with TCT cutting blades and pressure guide, fine tooth blade jigsaw, a fine tooth handsaw, a high speed TCT router.

Jointing

- see relevant detailed drawings

1. A high impact extruded PVCu contrasting 'H' joint trim (available in two part), incorporating a watertight seal at the mouth of the joint, which is unique to Altro Whiterock.
2. Silicone sealant 3mm joint.
3. A powder coated aluminium "H" joint used for extra impact or heat resistance.
4. Hot welded joint in colour coordinated weldrod.
   Please refer to separate installation guidelines for detailed instructions on how to weld Altro Whiterock wall designs.
   https://www.altro.com/uk/products/altro-whiterock-wall-designs

Internal / external corners

- see relevant detailed drawings, available on the Altro Website; www.altro.com

Altro Whiterock is normally thermoformed on-site, internal and external corners including window and door reveals are neatly clad, omitting the need for corner trims. However, profiles are available for these junctions if the need arises. Vulnerable external corners are usually over-clad with stainless steel corner protectors, to a height of 1200mm.

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 a 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 PVCu wall sheets have a maximum working temperature of 60°C. For areas that exceed these maximum temperatures, such as direct heat sources or where there is exposure to naked flames (examples being air fryers, heat vents, cookers, oven ranges, wall-mounted griddles etc.) it is recommended that stainless-steel sheets are used. Where installations of stainless-steel sheets are to be included, the stainless steel must extend at least 300mm beyond the heat source to ensure protection of these localised areas is maintained. If a layout drawing highlighting areas where heat may be of concern can be provided, specific advice can be provided as to the best combination of materials to use.

Typical applications

- bathrooms
- shower and changing rooms
- reception areas
- circulation areas
- cafes
- spas
- non-critical hygiene areas in healthcare

Our Technical Services Department is available for advice on 01462 707600.

Technical data

Property	Standard	Value
Surface finish		Satin
Thickness		2.5 mm
Size		2500 mm x 1220 mm 3000 mm x 1220 mm
Weight		3600 g/m^2
Density	ISO 1183	1.44 g/cm^3
Maximum service temperature		60°C
Hardness (Shore D)	ISO 868	76
Fire resistance	EN 13501-1	B- s3, d0
Notched Impact resistance	ISO 179/1ea	9.5 KJ/m^2
Impact resistance	ISO 179/1eU	No breakage
Flexural strength	ISO 178	78 MPa
Tensile strength	ISO 527	53 MPa
E-modulus of elasticity	ISO 527	2980 MPa
Compressive strength	DIN 53421	68 N/mm^2
Vicat softening point VST/B	ISO 306	73°C
Expansion coefficient	DIN 53752	0.07 mm/mK
Heat distortion temperature	ISO 75-2	60 °C
Water Absorption	ISO 62	≤ 0.1%
Thermal Conductivity	EN 12524	0.17 W/mK
“U” value (bonded to 100mm block wall)	DIN 52612	1.8 W/m^2 °C
Moisture Vapour Transmission rate (MVTR)	ASTM E96	≤ 0.12g/m^2/24hrs
Water vapour resistivity	ASTM E96	3.82 x 105GN.S/Kg.m

For further information or technical advice
tel: 01462 707600
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