

Altro Whiterock™ hygienic wall systems

Data sheet

Altro Whiterock™ Vantage

January 2023

Description

Semi-rigid co-extruded PVCu sheet.

Colour:	White
Surface finish:	Satin
Thickness:	2.5mm
Size:	2500 x 1220mm (W107) 2750 x 1220mm (W107/2750) 3000 x 1220mm (W108)
Weight:	2.8 kg/m ²
Maximum service temp:	60°C

Altro Whiterock Vantage 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 the following method:

1. AltroFix™ W139 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 2-part high impact extruded PVCu 'H' joint trim incorporating a watertight seal at the mouth of the joint
2. Hot welded joint colour coordinated w/rod.
3. Silicone sealant 3mm joint.
4. A powder coated aluminium "H" joint used for extra impact or heat resistance.

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 Altro Cleaner A859 or nonabrasive 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 Whiterock Vantage 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) must be extended to min 300 mm past heatsource. 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

- laboratories
- laundries
- retail back of supermarkets
- food serveries
- bathrooms and kitchens in student accommodation and social housing
- day wards and outpatients

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 2750 mm x 1220 mm 3000 mm x 1220 mm
Weight		2800 g/m ²
Density	ISO 1183	1.20 g/cm ³
Maximum service temperature		60°C
Hardness (Shore D)	ISO 868	70
Fire resistance	EN 13501-1	B- s3, d0
Notched Impact resistance	ISO 179/1ea	10 KJ/m ²
Impact resistance	ISO 179/1eU	+20°C without breakage
Flexural strength	ISO 178	66 MPa
Tensile strength	ISO 527	42 MPa
E-modulus of elasticity	ISO 527	2380 MPa
Vicat softening point VST/B	ISO 306	70°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
Moisture Vapour Transmission rate (MVTR)	ASTM E96	≤ 0.12g/m ² /24hrs
Light reflectance values (LRV)	D65 artificial daylight	81

For further information or technical advice

tel: 01462 707600

email: enquiries@altro.com or www.altro.com