

# Altro Whiterock™ hygienic wall systems

Data sheet

'EU' grade - extruded WDS25/WDS30,  
Altro Whiterock wall designs

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

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)<br>3000 x 1220mm (WDS30) |
| Weight:               | 3.6 kg/m <sup>2</sup>                          |
| 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.asf.com.au/Altro-Whiterock-wall-designs>

## Internal / external corners

- see relevant detailed drawings, available on the Altro Website; [www.asf.com.au](http://www.asf.com.au)

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 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 300m 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

- | 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 1800 673 441 (toll free).**

## Technical data

| Property                                 | Standard    | Value  |
|--|-------------|--|
| Surface finish                           |             | Satin  |
| Thickness                                |             | 2.5 mm   |
| Size                                     |             | 2500 mm x 1220 mm<br>3000 mm x 1220 mm                                   |
| Weight                                   |             | 3600 g/m <sup>2</sup>  |
| Density                                  | ISO 1183    | 1.44 g/cm <sup>3</sup>   |
| 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 <sup>2</sup>  |
| Impact resistance                        | ISO 179/1eU | +20°C without breakage<br>0°C without breakage<br>-20°C without breakage |
| Flexural strength                        | ISO 178     | 70 MPa   |
| Tensile strength                         | ISO 527     | 52 MPa   |
| E-modulus of elasticity                  | ISO 527     | 2950 MPa   |
| Compressive strength                     | DIN 53421   | 68 N/mm <sup>2</sup>   |
| 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 <sup>2</sup> °C  |
| Moisture Vapour Transmission rate (MVTR) | ASTM E96    | ≤ 0.12g/m <sup>2</sup> /24hrs  |
| Water vapour resistivity                 | ASTM E96    | 3.82 x 10 <sup>5</sup> GN.S/Kg.m   |

**For further information or technical advice**

**tel: 1800 673 441 (toll free)**

**email: [info@asf.com.au](mailto:info@asf.com.au) or [www.asf.com.au](http://www.asf.com.au)**