

HygienaClad - NBS for Altro Whiterock

Product Overview

Economical standard grade for general purpose use. Also suitable where sheet may come into contact with food.

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 hygiene requirements.

This is the most economical standard grade which will be used for the majority of installations.

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

1. Two part adhesive - polyurethane
2. Single part - acrylic

Uses

Altro Whiterock has a maximum working temperature of 60°C. For temperatures above and where naked flame exists stainless steel must be used. Stainless Steel cut-outs undertaken on-site.

- Commercial kitchens
- Laboratories
- Pharmaceutical areas
- Food manufacturing areas
- Shower/toilet/changing room areas
- Health Care environments

Jointing

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 Whiterock.
2. A powder coated aluminium "H" joint used for extra impact or heat resistance.
3. Silicone joint 3-4mm wide.
4. Hot welded joint
5. Flexi-joint system

Forming

Altro Whiterock is normally thermoformed on-site, so that window and door reveals are neatly clad without an edge joint. 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 non-abrasive domestic type cream bath cleaner.

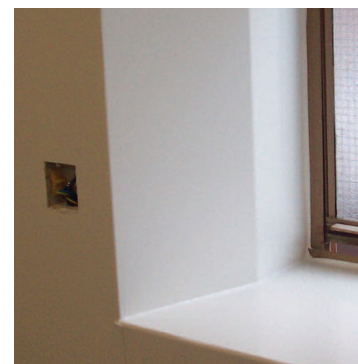
**Do not use abrasive pads
or wire wool.**

Do not clean above 60°C.

Cleaning cards are available on request. Resistant to a wide range of chemicals, specific details on request.

Availability

Ex Stock



Thermoformed window reveals



Thermoformed single corners



Thermoformed without edge joint



Cut around existing features

HygienaClad - Cladding New Building Specification

Product Specification

Property	Values
Colour	White as standard (others available)
Surface Finish	Satin as standard (high gloss available)
Sheet Thickness	2.5mm
Sheet size (standard)	2500 x 1220mm
(Large)	3000 x 1220mm
Weight	3.5kg per m ²
Maximum Service Temperature	60°C

Standards & Properties

Property	Standard	Values
Density (g/cm ³)	ISO 1183	1.39
E-modulus of elasticity (Mpa)	ISO 527	3550
Impact resistance (KJ/m ²)	ISO 179/1eU	
+20°C		Without rupture
0°C		Without rupture
-20°C		Without rupture
Flexural strength (Mpa)	ISO 178	79.8
Tensile strength (Mpa)	ISO 527	48
Shore-hardness D	ISO 868	79
Surface resistance ROE (½)	DIN IEC 60 167	2.00E +14
Volume Resistance RD (½)	DIN IEC 60 093	6.90E +13
Dielectric strength (KV/mm)	DIN IEC 243	16.8
Dielectric constant	53483	3.2
Dielectric loss index	53483	0.02
Thermal conductivity - 'K Value' (W/mK)	52612	0.16
"U" value		
(bonded to 100mm block wall (W/m ² °C)	52612	1.8
Expansion coefficient at 20°C	53752	7.10-5
after 1 h storage at 90°C (104/K)		
Compressive strength (N/mm ²)	53454	70
Vicat softening point VST/B (°C)	ISO 306	80
Heat distortion temperature (°C)	ISO 75-2	60
Water absorption (%)	ISO 62	0.09
Moisture vapour transmission rate (MVTR)	ASTME96	0.120 g/m ² /24hrs
Water vapour resistivity	ASTME96	3.82 x 10 ⁵ GN-S/Kg.m
Light reflectance values (LRV)	D65 artificial daylight	95
Flammability		
Surface spread of flame	BS 476 Part 7 1987	Class 1
Fire propagation	BS 476 Part 6 1989	Class 0*

(*when fixed to a non-combustible substrate)

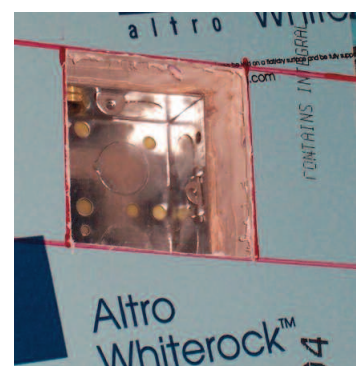
HygienaClad
Commercial Hygienic Cladding

HygienaClad
55 Atherton Road
Clayhall, Ilford
Essex
IG5 0PQ
Tel : 020 - 8220-7680
Fax : 020 8711 2711
Email:sales@hygienaclad.co.uk

www.hygienaclad.co.uk



Protective coating still applied



Cut-outs for lights & sockets



Forming around dumb waiters



Forming access panels