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Altro Whiterock™ hygienic wall and ceiling systems

JUNE 2010



Data sheet
Altro Whiterock Digiclad™

Altro Whiterock PVCu sheet printed with uv cured ink for areas requiring bespoke decorative design, logos and signage.

Description

Extruded semi-rigid PVCu sheet.

Colour:	Can be printed onto white, or from sheets from the Altro Whiterock Satins or Altro Whiterock Chameleon range
Surface finish:	Satin from the Altro Whiterock Satins range or Gloss from the Altro Whiterock Chameleon range
Thickness:	2.5mm
Size:	2500 x 1250mm 3000 x 1220mm sheets can be CNC routed and cut to suit setting out and jointing configurations
Weight:	3.6kg per m ²
Maximum service temp:	60°C

Altro Whiterock Digiclad extruded sheets can be hardcoated with a gloss or anti-reflective coating for added scratch resistance. This will give additional, but limited resistance to some forms of graffiti. (Hardcoating is optional and being a liquid coating there is a risk of inclusions appearing in the surface finish). The product is supplied to site with protective film or bubble wrap to its face.

It is ideal for applications requiring a hygienic easy-to-clean, almost maintenance free wall finish, which conforms to UK hygiene requirements.

Fixing

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

1. AltroFix W139 all over adhesive
2. AltroFix W157 all over adhesive (substrate surfaces to be of a high standard and porous)

Cutting

A jigsaw is the best method, however a fine toothed handsaw can also be used. **Care should be taken to ensure the print is protected at all stages of the fitting process.**

Jointing

Can be jointed in any of the following ways.

Contact Altro for relevant drawings

1. Printed matching high impact 2 part 'H' section joint strips
2. Silicone joint 3-4mm wide
3. Hot welded – ask for details
4. Butt Joining

Internal/external corners

Altro Whiterock Digiclad is normally thermoformed on site, so that window and door reveals are neatly clad without a corner trim.

Note: the corners cannot be thermoformed if the gloss hard coating has been applied. In these circumstances, the internal corners can be scribed and butted into the corner and sealed with silicone sealant. The external corners will be fitted using an unprinted 20 x 20 or 30 x 30 pvc angle colour co-ordinated to match the base sheet or a brushed stainless steel angle.

Cleaning

The product can be cleaned using a soft cloth and suitable diluted mild detergent.

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

Made to order with 21 day lead time – please see the Altro Whiterock Digiclad brochure.

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).

Limitation of use

Altro Whiterock Digiclad has a maximum working temperature of 60°C.

Typical applications

- Reception/leisure/retail areas
- Canteens/serveries/vending areas
- Recovery/wards/intensive care areas
- Doctors/dentists/veterinary practices
- Shower/toilet/changing room areas
- Corridors/classrooms/swimming pools

Our Technical Services Department is available for advice on 01502 561364.

Technical data

Property	Standard	Values
Density (g/cm ³)	DIN 53479	1.38
Modulus of elasticity (Mpa)	DIN 53455	3200
Yield point stress (Mpa)	DIN 53455	70
Vicat point at 5kg (°C)	DIN 53460	72
Coefficient of thermal expansion (10 ⁻⁶ /K)	DIN 53328	0.00007
Maximum service temperature (°C)		60
Thermal Conductivity (W/m.K)	DIN 52612	0.16
Hardness Shore D	DIN 53505	77
Steel ball impact sample of 80x80 on a hole of 50mm diameter (Joule)		12
Light reflectance values (LRV)	Specific to design, can be measured on request	
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)

Subject to change without notice.

for further information or technical advice

tel: 01502 561364 fax: 01502 531461

e-mail walls@altro.com or explore www.altro.com

ALTRO WHITEROCK™ HYGIENIC
WALL AND CEILING SYSTEMS
‘EU’ Grade - Extruded Pvcu sheet
ALTRO WHITEROCK Digiclad