



altro

Altro Whiterock™ hygienic wall and ceiling systems

MAY 2006



Data sheet

'EU' grade - extruded W160/161,
Altro Chameleon™

A high gloss, solid colour sheet for areas requiring a decorative appearance. Also suitable where sheet may come into contact with food.

Description

Extruded semi-rigid PVCu sheet.

Colour:	16 colours
Surface finish:	Gloss
Thickness:	2.5mm
Size:	2500 x 1250mm 3000 x 1220mm
Weight:	3.6kg per m ²
Maximum service temp:	60°C

Altro Chameleon W160/161 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.

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 all over adhesive
2. AltroFix W173 all over adhesive
3. AltroFix W157 all over adhesive

Cutting

A jigsaw is the best method, however a fine toothed handsaw can also be used.

Jointing

- see relevant detailed drawings

1. A high impact colour co-ordinating 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. Silicone joint 3-4mm wide.
3. Hot welded - ask for details.

Internal/external corners

Altro Chameleon is normally thermoformed on site, so that window and door reveals are neatly clad without an edge joint. However, pre-formed corners are available for the self-installer to cope with these details.

Cleaning

Regular cleaning using a soft cloth and a suitably diluted mild detergent is all that is normally required.

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

10 days - (Limited stocks).

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 Chameleon W160/161 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). 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

- Receptions/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	DIN	Values
Density (g/cm ³)	53479	1.38
Modulus of elasticity (Mpa)	53455	3200
Yield point street (Mpa)	53455	70
Impact resistance Charpy at 20°C with U notched sample (Kj/m ²)	53453	2.15
Vicat point at 5kg (°C)	53460	72
Coefficient of thermal expansion (10 ⁴ /K)	53328	0.00007
Maximum service temperature (°C)	Veka	60
Thermal Conductivity (W/m.K)	52612	0.16
Hardness Shore D	53505	77
Steel ball impact sample of 80x80 on a hole of 50mm diameter (Joule)	Veka	12
Light transmission (%)	ASTM D 1003	87+/-1.5
Haze (%)	ASTM D 1003	1+/-0.50
Value L*	Cielab 1976	86.0
Value a*	Cielab 1976	-3.4
Value b*	Cielab 1976	3.8
Delta E*	Cielab 1976	1.5
Light reflectance values (LRV)	D65 artificial daylight	26-77 (ask for details)
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