



altro

Altro Whiterock™ hygienic wall and ceiling systems

MAY 2006

Specification M50 PVCu linings to walls
(by AltroFix W139 adhesive system)



Suitable substrates

- Good quality fairfaced brick or blockwork. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge and bricks/blocks flush with ones adjacent.
- Sand & cement rendering 1:3 to steel trowel finish.
- 12.5mm thick plasterboard.
- Minimum 9mm W.B.P. resin bonded plywood.
- Minimum 9mm MDF dense wood based panels.
- Ceramic tiles which are securely bonded to substrate.
- Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).
- Plastered surfaces - finished with steel trowel.
(Note: Surfaces to be thoroughly sealed with diluted PVA or Altro Primer Seal (Ref: AGCPNF/01).

Moisture content

- All substrates to be dried to 16% WME (Wood Moisture Equivalent) on Protimeter 'Surveymaster' equipment.

Installation temperature

- Recommended ambient temperature of 14°C/57°F for all installation areas.

Substrate preparation (by others)

- All loose paint and dust to be removed.
- Friable surfaces should be removed or made sound. Please consult Altro regarding approved sealing treatments.
- Ceramic tiles should be thoroughly degreased, rinsed and allowed to dry.
- Loose tiles should be removed and the area made good using Ardurapid 45 repair mortar or sand and cement with Unibond mix, if drying time permits. Alternatively, a suitable thickness W.B.P. ply, screwed and plugged can be used.
- Depressions in substrate surface should be filled with Ardurapid 45 repair mortar or sand and cement with Unibond mix, if drying time permits.

- Existing painted surfaces to be degreased and a bond test carried out to confirm compatibility with the adhesive.

N.B. Altro advise that all wall surfaces other than a conventional solid brick, block or plastered surface should be constructed with a calcium silica board behind cooking/open flame areas.

Panels

Supplier: Altro Walls,
48 Pinbush Road,
South Lowestoft Industrial Estate,
Lowestoft, Suffolk, NR33 7NL
Tel: 01502 561364 Fax: 01502 531461

Reference:	Size:
W103 Extruded EU Grade	2500 x 1220 x 2.5mm Colour White
W104 Extruded EU Grade	3000 x 1220 x 2.5mm Colour White
W001 Laminated EU Grade	2500 x 1250 x 2.5mm Colour White
W133 Laminated EU Grade	2500 x 1250 x 2.5mm Patterned
W136 Extruded EU Grade	2500 x 1220 x 2.5mm Pastel
W137 Extruded EU Grade	3000 x 1220 x 2.5mm Pastel
W140 Extruded EU Grade	2500 x 1220 x 2.5mm Patterned
W141 Extruded EU Grade	3000 x 1220 x 2.5mm Patterned
W160 Laminated EU Grade	2500 x 1250 x 2.5mm Coloured high gloss
W161 Extruded EU Grade	3000 x 1220 x 2.5mm Coloured high gloss

Fire rating

BS 476 Part 7 (1987) surface spread of flame - Class 1
BS 476 Part 6 (1989) fire propagation - Class 0*
(*when installed to a non-combustible substrate)
Certificates available on request.

Drawings

Plant & equipment layout indicating heat emitting units, electrical services layout, plumbing/heating services, radiators etc.

Method of fixing

- Use AltroFix W139 (Ref: A814) two-part polyurethane adhesive spread with a 5mm square notched trowel (Ref: A860). Support the panel on double sided tape (Ref: A815) whilst adhesive cures (approx. 3-5 hours - full cure 24 hours). Back of sheets to be cleaned using Altro Whiterock cleaner/thinner (Ref: A808) or Desolvit wipes (Ref: A817).
- Apply firm even pressure with suitable roller to whole surface area of the panel as work proceeds, to ensure adequate adhesive transfer and good overall bond.

Joint treatment

All joints should be covered with high impact PVCu 'H' joint sections (Ref: A831 two-part joint trim, or G831 single part joint trim). Alternatively a 3-4mm Altro Whiterock silicone sealant joint can be used. All such joints are to be primed with Altro cleaner thinner before sealant is applied (Ref: A802 white, or A806 coloured).

Corner detail

Internal and external corners to be thermoformed on site.

Abutments

- To window frame, door frames, architraves, ceiling & quarry tile - wipe clean & prime the edges with cleaner/thinner (Ref: A808) and seal with Altro Whiterock silicone sealant (Ref: A802 white, or A806 coloured) 3-4mm width joint. Ask for Altro Whiterock detail drawings W1, W2 and WF3.
- To Altro Marine 20 safety flooring with coved skirting overlapped by 50mm with Altro Whiterock, close bottom of sheet with silicone (Ref: A803 clear). Ask for Altro Whiterock detail drawing WF4.

- To Altro safety vinyl flooring with coved skirting - joint to be covered with high impact PVCu transition strip (Ref: A832 two-part trim, or G832 single part trim). Ask for Altro Whiterock detail drawing WF2.
- To resin flooring with coved skirting, close bottom of sheet with single part high impact PVCu trim section (Ref: G834/25). Ask for Altro Whiterock detail drawing WF6.
- Alternatively, close bottom of sheet with high impact PVCu transition strip (Ref: A832 two-part trim, or G832 single part trim) to resin cove upstand. Ask for Altro Whiterock detail drawing WF5.

Finishing

Protective film to be removed. Wipe off any marks and dirt using Altro Whiterock cleaner/thinner (Ref: A808) or Desolvit wipes (Ref: A817). When dry, apply antistatic solution to all surfaces (Ref: A809).

Accessories

If required, high impact PVCu two-part start and edge trim (Ref: A833) or high impact PVCu single part heavy duty start and edge trim (Ref: G833). White powder coated aluminium 'H' joint sections (Ref: A854) and white powder coated aluminium start and edge trim (Ref: A853/25).

Treatment to service preparations

All holes to be cut to allow 3-4mm silicone seal around all penetrations. Clean with cleaner/thinner (Ref: A808) and seal with Altro Whiterock silicone sealant (Ref: A802 white or A806 coloured).

Protection

If required, tape Correx, Megafilm or hardboard to the surface.

for further information or technical advice

tel: 01502 561364 fax: 01502 531461

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