



altro

# Altro Whiterock™ hygienic wall and ceiling systems

MAY 2006



Specification K40 suspended ceilings  
(using Altro P250 to PMF suspended grid system)

## Structural soffit

Examples; suitable timber joists; concrete, steel floor, Z purlins.

## Installation temperature

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

## Boards

Supplier: Altro Walls,  
48 Pinbush Road,  
South Lowestoft Industrial Estate,  
Lowestoft,  
Suffolk, NR33 7NL

Tel: 01502 561364

Fax: 01502 531461

## PVCu Twin Wall Tongue & Groove Board

Reference:	Size:
P250/60	6000 x 250 x 9mm Colour White
P250/50	5000 x 250 x 9mm Colour White
P250/40	4000 x 250 x 9mm Colour White
P250/30	3000 x 250 x 9mm Colour White

## Fire Rating (Boards only):

BS 476 Part 7 (1987) - Class 1

BS 476 Part 6 (1989) - Class 0\*

(\*when installed to a non-combustible substrate)

## Integral non-combustible substrates

To achieve Class 0 as defined in Building Regulations, fix plasterboard (or similar) to the underside of PMF5 secondary support grid section, prior to fitting P250 PVCu ceiling boards. Boards to be mechanically fixed through plasterboard with 25mm wafer head drill point screws (Ref: A611/25).

## Method of fixing

- Primary grid section (Ref: PMF7) suspended on suitable hangers (Ref: PGA1) mechanically fixed to structural soffit. Secondary support grid section (Ref: PMF5) clipped to primary section, at right angles, using connecting clips (Ref: PMF9), with perimeter channel (Ref: PMF6) secured to wall along perimeter line. PVCu perimeter trim (Ref: P259) secured to metal perimeter channel and P250 PVCu boards mechanically fixed to secondary support grid section with 13mm wafer head drill point screws.

## Abutments

- To walls, wipe clean and seal with Altro Whiterock silicone sealant (Ref: A802).

## Finishing

- Wipe off any marks and dirt using Altro Whiterock cleaner/thinner (Ref: A808) or Desolvit wipes (Ref: A817). When dry, apply Altro Whiterock Antistatic Agent to all surfaces (Ref: A809).
- A substantial bed of Altro Whiterock sealant (Ref: A802) to be placed within the perimeter trim (Ref: P259) and any intermediate 'H' section (Ref: P258) PVCu jointing trims as the work proceeds. The ends of the boards are pushed firmly into the sealant ensuring a complete seal.

## Accessories

- Access panels: constructed from P250 ceiling boards, or Altro Whiterock PVCu panels, bonded to 19mm plywood/masterboard, seated in a white powder coated aluminium trim mechanically fixed through ceiling boards to the support structure above (Ref: A626).
- Light Diffusers: constructed from polycarbonate prismatic material secured in a white powder coated aluminium trim, mechanically fixed through ceiling boards to the support structure above (Ref: A621).
- Coving detail: (A851) 2 part PVCu/Alloy coving, for secondary fixing to ceiling/wall junction. Mechanically fixed through alloy back plate to the substrate.
- Bulkhead or boxing detail: Internal and external angles formed with PVCu trims (P255 or P257). Mechanically fixed with 13mm wafer head drill point screws.
- Pliable joint section (Ref: P253) for finished junction of sloping/angled bulkheads. Fixed with AltroFix 25nf contact adhesive direct to P250 PVCu boards. Ask for Altro detail drawings CF2, CF3, CF5 and CF8.

## Service fittings

- Sprinklers, luminaires, and air diffusers supplied by others. Apertures for luminaires and air diffusers trimmed out with perimeter channel (Ref: P259), additional hangers to be installed at corners of apertures if required. PVCu boards (Ref: P250) cut out to suite apertures. Provision of fixing points for surface mounted lighting in the form of secondary grid section to be incorporated at the time of the installation of the grid.

for further information or technical advice

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e-mail [walls@altro.com](mailto:walls@altro.com) or explore [www.altro.com](http://www.altro.com)