



altro

# Altro Whiterock™ hygienic wall and ceiling systems

MAY 2006



Data sheet 'EU' grade -  
extruded P250 PVCu ceiling boards,  
Altro ceiling system

Economical ceiling system for general purpose use. Altro suitable where boards may come into contact with food. Ideal for hygienic and wet environments. Can be fixed direct or suspended.

## Description

Extruded rigid PVCu boards.

Colour: White

Surface finish: Satin

Thickness: 9mm

Sizes:

P250/60 6000 x 250 x 9mm

P250/50 5000 x 250 x 9mm

P250/40 4000 x 250 x 9mm

P250/30 3000 x 250 x 9mm

Weight: 2.3 kg per m<sup>2</sup>

Maximum service temp: 60°C

The Altro P250 twin wall tongue and grooved ceiling system is extruded from high grade PVCu in double skin profiles linked with PVCu fins to form a rigid, durable board. It is ideal for applications requiring a hygienic, easy to clean, almost maintenance free ceiling finish, which conforms to UK hygiene requirements. It is one of the few ceiling systems which can be hosed down in-situ.

## Fixing

- Mechanically fixed to any substrate which provides a fixing point at a maximum 600mm centres, e.g. timber joists, timber battens, PVCu battens, galvanised steel battens, or direct to plasterboard.
- Concrete soffits should be counter battened with galvanised steel battens (or similar) at maximum 600mm centres.
- When fixing directly to the underside of plasterboard, use 25mm wafer head screws. Fixings to correspond with joists above.
- Mechanically fixed to Gyproc MF type suspended grid system with 13mm wafer head screws.

## Jointing

1. A high quality colour matched "H" profile joint strip (Ref: P258) for joining boards end-to-end. Available in 3.0m or 6.0m lengths. Mechanically fixed with 13mm or 25mm wafer head screws.
2. A high quality extruded pliable joint strip (Ref: P253) available in 5.0m lengths, for joining boards on irregular angles (e.g. sloping ceilings). Fixed with AltroFix 25NF contact adhesive to the edges of adjoining boards.

## Internal/external corners

High quality, colour matched extruded PVCu corner profiles (Ref: P255 & P257) available for internal and external angles. Typically used when forming bulkheads or cladding around beams.

## Cutting

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

## 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.**

## Chemical resistance

Resistant to a wide range of chemicals, specific details on request.

## Availability

Ex-stock.

## Storage & conditioning (on-site)

Boards 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 P250 PVCu ceiling board has a maximum working temperature of 60°C. When fixing the ceiling system to a stainless steel canopy, the edge of the boards and P259 perimeter trim must be isolated from the canopy. A 3-4mm silicone joint must be allowed between the canopy and PVCu components.

## Typical applications

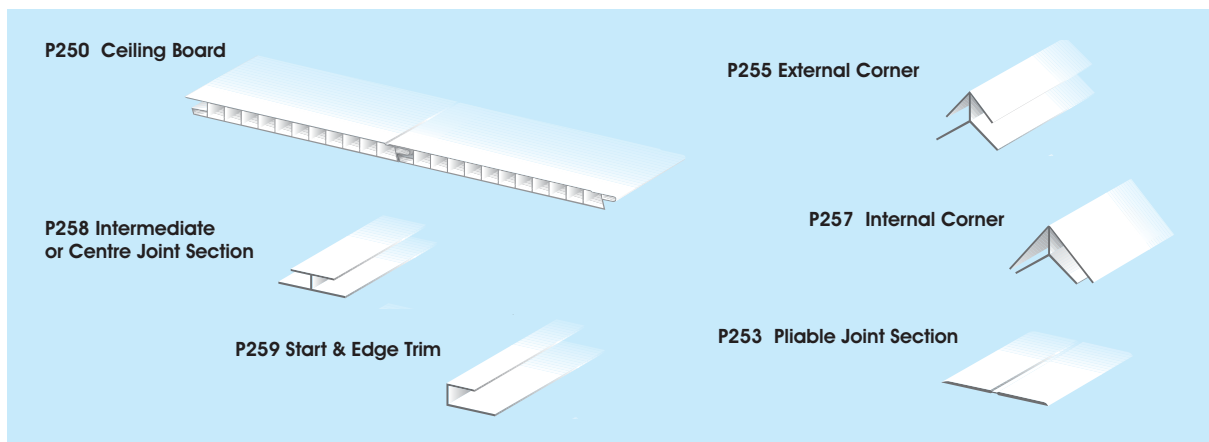
- Commercial kitchens
- Laboratories
- Pharmaceutical areas
- Food manufacturing areas
- Shower/toilet/changing room areas

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

## Technical data

Property	DIN	Values
Density (g/cm <sup>3</sup> )	53479	1.5
Thermal Conductivity (W/m.K)	53481	0.15
Coefficient of thermal expansion (m/mK)	53752	5 x 10 <sup>-5</sup>
Vicat softening point VST/B (°C)	53460	83
Moisture vapour transmission rate (MVTR)	ASTME96	0.312 g/m <sup>2</sup> /24hrs
Water vapour resistivity	ASTME96	0.42 x 10 <sup>5</sup> GN.S/Kg.m
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)

## The ceiling system



for further information or technical advice

tel: 01502 561364 fax: 01502 531461

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