



altro

hygienic wall and ceiling systems

Altro Quickclad lightweight rigid foam PVC sheet (W171/172)

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Description

Format:	Extruded, tough, durable, lightweight rigid foam PVC sheets
Colour:	White
Surface finish:	Satin
Thickness:	10mm
Dimension:	2500 x 1250mm (W171) 3000 x 1250mm (W172)
Weight:	Average 5.7kg/m ² based on average SI 0.57g/m ³
Max service temp	60°C

Altro Quickclad lightweight rigid foam sheet is supplied with a protective film to the face, which can be left in place until the room is ready for use.

This also helps 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, and where there is a need for the surface finish to stand off the existing substrate, e.g.: to accommodate services, poor quality or damp substrates listed buildings, or to non load bearing partitions.

Fixing

Rigid sheets are fixed to a galvanized steel stud/framework system, consisting of head and sill channels (Ref AMF6 or AGL8) and vertical studs (Ref PMF5 or AGL1) fixed using wafer head screws (Ref A611 or A611/25). Framework fixed direct to substrate packing out plumb or increasing void width using set off brackets (Ref AGL9). (See installation guide for full details).

Cutting

A portable or bench mounted circular saw with TCT blade or a jig saw with a course cutting blade for best results. A fine toothed handsaw can also be used.

Jointing

By means of a 2 part high impact PVC cover strip incorporating a neoprene co-extruded seal snapping into an aluminium backing, mechanically fixed to the galvanized metal stud/framework.

Internal and external corners

Altro Quickclad internal and external corners are formed on site using routing and cold forming techniques.

Internal corners are formed by grooving one panel and bonding to the adjacent panel using PVC adhesive (Ref AP2020).

External corners are formed by routing a 'V' groove to the back of sheet folding, then bonding with adhesive (Ref AP2020).

Window and door reveals are neatly formed without recourse to additional trims.

See the Altro Quickclad Installation Guide for details.

Vulnerable external corners are usually overlaid with stainless steel corner protectors to a height of 1200mm.

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 (Ref 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

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

Availability

Ex-Stock.

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).

Fire resistance

Achieves Class 1 when tested to BS 476: Part 7, 1987.

Limitations of use

Altro Quickclad has a maximum working temperature of 60°C. For temperatures contact Technical Services on 01502 561364.

Installation

Installation instructions are available from Altro.
Contact Technical Services on 01502 561364.

Property	Units	Average Value	Standard
Specific gravity	G/m ²	0.57	DIN EN ISO 1183
E_modulus	Mpa	1050	ISO 527 (50mm/min)
Flexural strength	Mpa	21	ISO 178 (2mm/min)
Impact resistance (Charpy)	KJ/m ²	20	ISO 179/1eU
Compressive strength	N/mm ²	6	DIN 53421
Vicat softening point	°C	73-76	ISO 306 (B50)
Shore-hardness D	-	66-70	ISO 868
Thermal conductivity	W/M°C	0.063	DIN 52612
Coefficient of thermal expansion	10 ³ /K	6.10 ⁻⁵	DIN 53752
Water absorption	%	4.9	ISO 62 (after 216h)

for further information or technical advice

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