

PWAB Pack (PARTY WALL AIR BARRIER)

Protect PWAB Pack has been specifically developed to overcome the problems of heat loss from party walls in timber frame construction. Its unique airtight but vapour permeable construction allows it to achieve the requirements for air sealing, but still allow water vapour to escape.

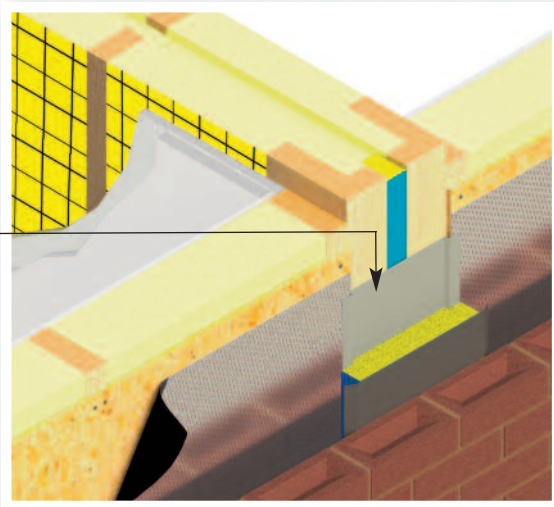
Approved Document Part L requires party walls to be assigned a U-value, which is used in SAP calculations in the building. Research has shown that party wall cavities allow a significant amount of air movement in the cavity, therefore movement of heat to other areas of the building, and so greater heat loss than was thought. Previously the party wall was assumed to not lose any heat and so have a U-value of 0.0W/m²/K.

In order to claim that value now, the wall must have a fully filled cavity and be effectively edge sealed. If the cavity is unfilled, but has effective edge sealing, the given U-value is 0.2W/m²/K, otherwise 0.5W/m²/K.

BENEFITS

- PWAB membrane is highly vapour permeable in excess of the minimum value required for wall membranes.
- Completely water and airtight.
- Lightweight and easy to install.
- Available in a handy size width roll suited for timber frame party walls.
- PWAB Pack includes the Protect Reinforced Universal Tape to make the airtight seal on the roll edges.

Party Wall Air Barrier





PRODUCT DESCRIPTION

Size

Roll width: 300mm
Roll length: 25m
Roll total area: 7.5m²
Roll weight: 1.03kg

Appearance

Embossed grey upper and white lower surface.

Packs

The Party Wall Air Barrier Pack consists of a 300mm x 25m airtight yet highly vapour permeable construction membrane and 1 no. 50mm x 50m black reinforced universal tape.

Specification clause

Create an airtight seal around the party wall perimeter using Protect PWAB airtight vapour permeable party wall air barrier pack, comprising 1 no. roll of 300mm x 25m PWAB roll and 1 no. 50mm x 50m Protect Reinforced Universal Tape supplied by Protect Membranes Ltd, 2 Brooklands Road, Sale, Cheshire, M33 3SS, Telephone: 0161 905 5700 Fax: 0161 905 2085 Email: info@protectmembranes.com

PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	140	198
Unaged tensile strength (N/50mm) to EN 12311 with mods	225	160
Aged tensile strength (N/50mm) to EN 12311 with mods	190	130
Weight	125gm ²	
Flexibility at low temperature	-40°C	
Water vapour resistance to EN ISO 12572	0.17MNs/g	
Watertightness	Pass	Class W1>2.0m hydrostatic head resistance

MD = machine direction (along roll), CD = cross direction (across roll).
UV and heat ageing conditions: UVA lamps at 50°C for 336 hours followed by heat ageing at 70°C for 90 days.

Stockist's stamp

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Protect Membranes Limited maintains a policy of continuous development and reserves the right to amend product specifications without notice.



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