

BARRIAIR

AIR BARRIER WITH VAPOUR CONTROL QUALITIES

Protect BarriAir with integrated lap and sealing tapes is a high performance and multi-purpose coated non-woven membrane which forms a highly effective air leakage barrier with vapour control qualities.

The yellow semi-translucent material has a grid printed across the whole surface which promotes simple alignment with timber studs or joists. The integrated tapes are located on the outer edges of the membrane following the dotted overlap line. On one side the tape is on the upper surface, on the other side the tape is on the lower surface. This layout ensures that the membrane overlap is jointed and sealed by applying the two layers of adhesive to one another, providing a more effective seal than a traditional overlap tape even when joined without an underlying substrate.

There is an additional benefit in that any mechanical fixings applied through the double layered strips will have reduced air leakage as the adhesive will act as a sealant.

With the onset of climate change and more onerous Building Regulations designed to reduce carbon emissions, the importance of testing every property for airtightness is paramount. Protect BarriAir has many years of tried and tested performance to ensure strict airtightness levels are met. Installed in many low carbon and Passivhaus developments, the membrane helps deliver less than or equal to 0.6 air changes per hour.



BENEFITS

- Suitable for timber frame, pre-cast concrete and traditional brick and block construction.
- Provides an airtight system when installed with sealed laps.
- Dramatically reduces heat loss through the building fabric.
- Improves the thermal performance of all insulants by reducing convection flows.
- Tough, durable with high tear resistance.
- Provides support to mineral wool and rock fibre when fixed to timber frame studs or rafters.
- Helps to avoid interstitial condensation risk within insulation in accordance with BS 5250.
- Separate Protect sealing tapes also available.
- Ideal for Passivhaus projects.
- Easy to cut and lightweight to handle in 1.5m x 50m rolls.
- 3m wide option available without integrated tape, ideal for factory fitting.



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Dimensions

Roll size:

1.5m x 50m (75m²)

3.0m x 50m (150m²)

Roll weight:

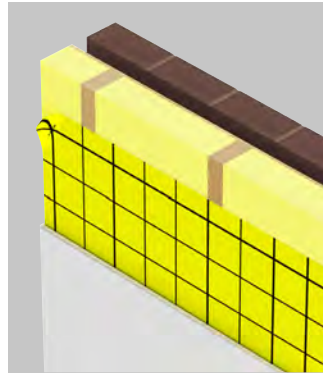
8.5kg (with integrated tape).

15.8kg (no integrated tape).

Installation

Protect BarriAir is installed on the warm side of the structure immediately adjacent to the insulation and can be used on walls, ceilings and floors to significantly reduce air leakage in any construction, helping to meet Building Regulations and airtightness requirements.

For more information visit
glidevaleprotect.com/barriair



Specification clause:

Air barrier to be Protect BarriAir supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire M33 3SS.

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Air barrier to be multi-purpose coated non-woven membrane of twin ply construction, with integrated sealing tapes on opposing edges of the roll (for 1.5m wide product only).

Air barrier to provide vapour control qualities offering water vapour resistance of $\geq 40 \text{ MNs/g}$ / $\geq 8 S_d(\text{m})$.

Air barrier to be installed with sealed laps and to be fitted into wall/ceiling/floor* in accordance with BS 5250, BS 9250 and manufacturer's instructions.

*Delete as appropriate.



PERFORMANCE TO BS EN 13984:2013

	MD	CD
Nail tear strength (N) to BS EN 12310-1 modified to BS EN 13859-2	160	160
Unaged tensile strength (N/50mm) to BS EN 12311-1 modified to BS EN 13859-2	180	180
Aged tensile strength (N/50mm) to BS EN 12311-1 modified to BS EN 13859-2	176	154
Water vapour resistance to BS EN 1931	$\geq 40 \text{ MNs/g}$ / $\geq 8 S_d(\text{m})$	
Flexibility at low temperature to BS EN 1109	-40°C	
Weight (g/m ²) to BS EN 1849-2	100	
Resistance to water penetration to BS EN 1928 modified to BS EN 13984	Pass - Class W1	

MD = Machine Direction (along roll). CD = Cross Direction (across roll).

Related products

Protect VC Foil Ultra AVCL membrane: glidevaleprotect.com/vcfoilultra

Protect sealing tapes: glidevaleprotect.com/protecttapes



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STAV
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CERTIFIED
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ISO 45001