

PHS Astra

PHS Astra Airtight Vapour Control Membrane enables airtightness and vapour control in roof and wall constructions.

PHS Astra Airtight Vapour Control has an optimum fixed vapour resistance level of Sd 10m. This allows for an excellent level of vapour control by preventing diffusion of internal vapour into the building envelope back in winter and allowing diffusion in summer.

This prevents a build-up of condensed water vapour within the building envelope, that facilitates mildew growth and constructional damage.

The CE sign according to DIN EN 13984 gives the necessary assurance for the quality of the product.

Application

- Store in dry rooms from +5°C to +25°C, protected from UV-radiation.
- The membrane should be applied perpendicular to the direction of the application surface i.e. studs, rafters and joists.
- The membrane should be fixed with staples every 150mm or PHS Double Sided Tape.
- PHS Argo joining Tape or a suitable PHS Grommet should be used for penetrations.
- For bonding barrier overlaps, penetrations and repair spots, use a suitable sealing tape.
- For connections to concrete or masonry PHS Internal Adhesive Sealant is recommended.
- Ensure there is a 100mm overlap of the membranes and seal with a suitable tape.

Size

- 1.5m x 50m



Technical Data

Mass per unit	85m/g ² , +10, -0±60N/50mm, EN1849-2
Resistance to Water Penetration	Passed, EN13984 (EN1928 Method A)
Water Vapour Transmission Rate	10m, EN1931
Reaction to Fire	Class E, EN13501-1
Tensile Strength Max. Force	MD: ≥100N/50mm CD: ≥60N/50mm, EN13984
Tensile Property Elongation	MD: ≥70N% CD: ≥90N, EN13984
Resistance to Tearing	MD: ≥90N CD: ≥90N, EN13984
Ageing	Passed, EN1296
Alkali Resistance	NPD, EN13984
Air Permeability	0.00, EN12114
Shear Resistance of Joints	NPD, EN12317-2
Water Tightness of Steams	NPD
Resistance to Impact	NPD, EN12691
Hazardous Substances	No
Temperature Resistance	-40°C / +100°C
Thickness	0.345mm

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Passive House Systems products are used by diverse customer base for a wide range of technical and industrial applications. The demands made on our products vary considerably from application to application. We strongly advise users to test the products suitability for their own particular requirement.

All data and recommendations contained in this Technical Datasheet are based on our own test results and practical experience and are aimed at helping customers select the appropriate product. This information is provided without liability. We reserve the right to change the technical specification without prior notice. Samples are available free of charge. Our sales team are available to help support all technical specifications for our products.