

# PHS Astra Airtight Vapour Control Membrane

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.



## Technical Data

Mass per unit	85g/m <sup>2</sup> , +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 property max. force (MD)	≥100N/50mm,	EN13984
Tensile property max. force (CD)	≥60N/50mm,	EN13984
Tensile property elongation (MD)	≥70%,	EN13984
Tensile property elongation (CD)	≥90%,	EN13984
Resistance to tearing (MD)	≥90%,	EN13984
Resistance to tearing (CD)	≥90%,	EN13984
Ageing	Passed,	EN1296
Alkali resistance	NPD,	EN13984
Air permeability	0.00, EN12114	
Shear resistance of joints	NPD,	EN12317-2
Water tightness of seams	NPD	
Resistance to impact	NPD,	EN12691
Hazardous substances	No	
Temperature resistance	-40C/+100C	
Thickness	0.345mm	

## Size

- 1.5m x 50m,
- Box Quantity: 1.

## Application

- Store in dry rooms from +5C to +25C, 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, PHS Argo or a similar tape is recommended.
- For connections to concrete or masonry PHS Internal Adhesive Sealant is recommended.
- Ensure there is a 100mm overlap of the membranes and tape with PHS Argo Tape or another suitable tape.