

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

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|----------------------------------|---|-----------|
| Mass per unit | 85g/m 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 property max. force (MD) | ≥100N/50mm, | EN13984 |
| Tensile property max. force (CD) | ≥60N/50mm, | EN13984 |
| Tensile property elongation (MD) | ≥70N%, | EN13984 |
| Tensile property elongation (CD) | ≥90N, | EN13984 |
| Resistance to tearing (MD) | ≥90N, | EN13984 |
| Resistance to tearing (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 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.