

PHS Sd Variable Membrane

PHS Sd Variable Climate Membrane is a multi-layered vapour barrier with a moisture-variable sd value. It's used indoors to create an airtight barrier and a vapour control layer for the protection of the construction according to DIN 4108.

PHS Sd Variable Membrane is a reliable airtight and vapour control layer. During the winter it reliably prevents diffusion of interior humidity into the roof and wall construction. As a result – during summer it allows for back fusion from the insulation as well as the wall and roof construction. It also prevents condensation that facilitates mildew growth and constructional damages.

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 double sided tape.
- PHS Argo Joint Tape or a suitable grommet should be used for penetrations.
- For bonding barrier overlaps, penetrations and repair spots, PHS Argo Joint Tape or a similar tape is recommended.
- For connections to concrete or masonry PHS Ottello Adhesive Sealant is recommended.
- Ensure there is a 100mm overlap of the membranes and tape with PHS Argo Joint Tape or another suitable tape.

Carrier

- Composite of a functional PA film and PP non-woven,
- Outstanding ageing resistance,
- UV resistant: at least 18 months behind glass and three months in outdoor exposure*.

Technical Data

Carrier	Composite of a functional PA and PP non-woven
Colour	white, printed
Dimensions	1.5 x 40m
Grammage Density	95g/m2 (±7%)
Storage	in dry rooms from +5°C protected from UV and radiation
Water resistance	passed
CE Certificate	passed
Static air layer thickness	2.02m**
Fire performance (DIN EN 13501-1)	class E, corresponds to B2, according to DIN4102

Maximum tensile strength (DIN EN 13859-1)	Lengthwise: 150N/150mm	Crosswise: 125N/50mm
Elongation at maximum tensile strength (DIN EN 13859-1)	Lengthwise: >200%	Crosswise: >225%
Resistance to tear propagation (nail shaft; DIN EN 13859-1)	Lengthwise: >25N	Crosswise: >25N
Temperature range	-40C to 80C	
Diffusion-equivalent layer	0.25<sd<5.0; moisture-variable*	
Thickness (sd-value)	<1m cond. C, 3 to 5m cond. A (DIN EN 12572 / DIN EN 1931)	



Special Features

- Fulfills the requirements of the EnEV as a moisture-variable vapour barrier,
- Especially useful for new buildings as well as for renovation of old buildings,
- The CE sign according to DIN EN 13984 provides the necessary security for the application in constructions to build according to all valid requirements of the EnEV and construction standards.