PHS Sd Variable Membrane

PHS Sd Variable Membrane is a multi-layered vapour control membrane with a moisture-variable sd value. It's used indoors to create an airtight and vapour control layer for the protection of the construction according to DIN 4108-7 and conforms with IS EN 13984.

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 whereas during summer it allows for back fusion from the insulation as well as the wall and roof construction. This 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 PHS Double Sided tape.
- PHS Argo Airtightness Tape or a suitable grommet should be used for penetrations.
- For bonding barrier overlaps, penetrations and repair spots, PHS Argo Airtightness 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 Airtightness 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*.

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.

Dimensions

- 1.5m x 40m.

Technical Data

Carrier	Composite of a functional PA and PP non-woven
Colour	white, printed
Dimensions	1.5m x 40m
Grammage density	95g/m2 (± 7%)
Storage	in dry rooms from +5°C to +25°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 DIN 4102

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

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