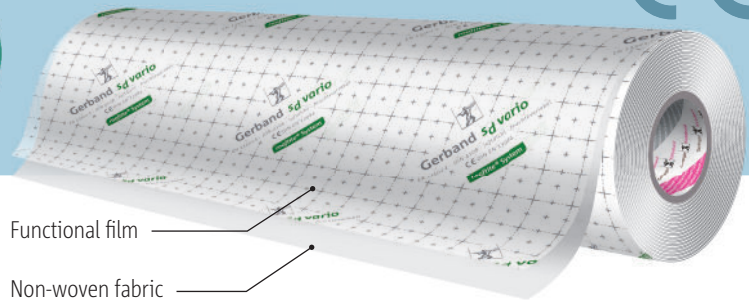


Technical Data Sheet

Gerband sd vario

Moisture-variable climate membrane



Gerband sd vario climate membrane is a multi-layered vapour barrier with a moisture-variable sd value. It is used indoors in order to build an airtight barrier for the protection of the construction according to DIN 4108.

Product description

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*

Colour

- White with print

Applications

- To be applied indoors as a vapor barrier in order to build an airtight barrier for the protection of the construction according to DIN 4108
- Fulfills the requirements of the EnEV as a moisture-variable vapour barrier and may be used 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

Application notes

- Apply at temperatures from +5 °C to +40 °C
- Enables secure structural-physical building of roof and wall constructions
- Provides a good and secure desiccation of the construction directly after installation and therefore prevents backwater caused by building and residual moisture that facilitates mildew growth and constructional damages
- Supports back-diffusion when diffusion currents reverse towards the inside (e.g. caused by strong solar radiation)
- For bonding barrier overlaps, penetrations and repair spots, we recommend Gerband 586
- For connections to constructional elements we recommend our universally formable butyl-rubber tape Gerband 605
- For all connections we recommend Gerband FORTAX® 6400
- Store in dry rooms from +5 °C to +25 °C, protected from UV-radiation

Technical data

Grammage (DIN EN 1849-2)	85 g/m ² (± 5 g/m ²)
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	-40 °C to +80 °C
Diffusion-equivalent air layer thickness (s _d -value)	0.25 ≤ s _d ≤ 5.0; moisture-variable**
	≤1 m cond. C, 3 to 5 m cond. A (DIN EN 12572 / DIN EN 1931)
Static air layer thickness	2.02 m***
Fire performance (DIN EN 13501-1)	class E, corresponds to B2 according to DIN 4102
Water resistance	passed
CE certificate	passed

* Relating to being installed in German standard climatic conditions; not in mountain regions

** The variable sd value of Gerband sd vario can only be used for structural-physical calculations if they are being performed with a dynamic calculation tool (e.g. WUFI® of Fraunhofer Institute for Building Physics IBP)

*** In case of calculations according to DIN 4108-3 (Glaser method) use the static sd value only.

Packaging

Roll length	40 m
Roll width mm	1.500
Rolls per carton	1

Deviating packaging is available upon request

Further technical data on Gerband sd vario is available upon request.

Subject to change without notice in line with product advancements.

As of May 2020 - replaces edition of November 2017