

SOLITEX MENTO 1000

3-ply sarking and roof lining membrane, light sheeting with monolithic TEEE functional membrane,



Technical data

		Substance
Protective and covering fleece		Polypropylene microfibre
Membrane		monolithic TEEE
Attribute	Regulation	Value
Colour		anthracite
Surface weight	EN 1849-2	115 ±5 g/m ² ; 0.38 ±0.02 oz/ft ²
Thickness	EN 1849-2	0.40 ±0.05 mm ; 16 ±2 mils
Water vapor resistance factor μ	EN ISO 12572	125
sd-value	EN ISO 12572	0.05 ±0.02 m
g-value		0.25 ±0.1 MN-s/g
Vapor permeance	ASTM E 96	65.6 US perms
Surface burning characteristics	ASTM E96	Class A (Flame Spread 0; Smoke Developed 85)
Reaction to fire	EN 13501-1	E
Exposure time		3 months
Water column	EN 20811	10 000 mm ; 32' 10"
Water resistance non-aged/aged*	EN 1928	W1 / W1
Tensile strength MD/CD	EN 13859-1 (A)	220 ±15 N/5 cm / 185 ±15 N/5 cm ; 25 ±3.5 lb/in / 21 ±3.5 lb/in
Tensile strength MD/CD aged*	EN 13859-1 (A)	185 ±15 N/5 cm / 160 ±15 N/5 cm ; 21 ±3.5 lb/in / 18 ±3.5 lb/in
Elongation MD/CD	EN 13859-1 (A)	60 ±20 % / 70 ±20 %
Elongation MD/CD aged*	EN 13859-1 (A)	40 ±20 % / 50 ±20 %
Nail tear resistance MD/CD	EN 13859-1 (B)	130 ±30 N / 135 ±30 N ; 29 ±7 lbf / 30 ±7 lbf
*) Artificial ageing by long term	EN 1297 / EN 1296	passed
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Temperature resistance		permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.17 W/(m·K) ; 1.18 BTU·in/(h·ft ² ·F)
Sarking membrane/roof lining membrane	ZVDH-Produktdatenblatt	USB-A / UDB-B
Temporary roof covering; suitable as ...	ZVDH	yes
CE labelling	EN 13859-1	available

Area of application

3-ply highly permeable roof lining and sarking membrane which is suitable for laying on boarding, MDF and fibreboard roof lining panels and insulating mats and boards.

Advantages

- ✓ Highly permeable and at the same time, maximum resistance to driving rain, water column 10 000 mm; 32' 10"
- ✓ Optimum drying conditions for roof structures: non-porous TEEE functional membrane actively transports moisture outwards
- ✓ Maximum ageing resistance and thermal stability thanks to the TEEE membrane
- ✓ 3 months of outdoor exposure. Suitable for temporary roof coverings as specified in the ZVDH product data sheet

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

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General conditions

SOLITEX MENTO membranes should be laid with the printed side facing the installer. The membranes are to be installed as an underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging. When using as a sarking membrane the spacing between the rafters is restricted to 100 cm (3' 3").

The membrane must not be secured in areas where water collectively drains off (e.g. in grooves).

In the case of uninsulated, undeveloped attic floors, ridge ventilation should be provided. For this purpose, the SOLITEX membrane should finish 5 cm (2") before the ridge. In addition, the undeveloped attic floor should be provided with permanent ventilation devices.

To protect the structure during the building phase, as specified by ZVDH ('Zentralverband des Deutschen Dachdeckerhandwerks' - National Association of the German Roofing Trade), SOLITEX MENTO 1000 roof lining and sarking membrane can be used as a temporary roof cover for up to 3 months. In this case the roof pitch must be at least 14°. The system components TESCON NAIDECK nail sealing tape, ORCON F joint adhesive and TESCON VANA for sticking overlaps or joints must be used. The connect version has two self-adhesive zones for secure exterior sealing. The standards and guidelines of the German roofing trade association must be observed during installation and sealing.

According to the technical regulations of the roofing trade association, they are suitable as a sarking membrane for covering a tiled roof with simple overlapping as an additional protective measure against rain. When using as a roof lining membrane with simple overlapping on a timber shell, the SOLITEX MENTO membranes are also suitable at elevated requirements as an additional protective measure against rain.



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