

SOLITEX MENTO 1000

Light sarking and roof lining 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
Vapour permeance	ASTM E 96	65.6 US perms
Surface burning characteristics	ASTM E96	Class A (Flame Spread 0; Smoke Developed 85)
Fire rating	EN 13501-1	E
Exposure time		3 months
Water column	EN 20811	10 000 mm ; 32' 10"
Water tightness non-aged/ aged*	EN 13859-1	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	EN 1109, EN 1296, EN 1297	permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		2.3 W/(m·K) ; 16 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

Diffusion-open underlay and sarking membrane for installation hanging freely across all the rafters or else on roof decking, MDF and wood fibre underlay panels and thermal insulating mats and boards.

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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Advantages

- ✓ Up to 3 months of outdoor exposure
- ✓ Ensures reliable building components: highly diffusion-open and maximum rainproof protection against driving rain
- ✓ Dry building components: pore-free TEEE functional membrane actively transports moisture to the outside
- ✓ Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✓ High degree of protection for building structures during the construction phase: suitable as a temporary covering

General conditions

SOLITEX MENTO 1000 is to be installed with the printed side facing the installation technician. It is to be installed as an underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging. When it is used as a sarking membrane, the rafter spacing is limited to 100 cm (3' 3").

Fasteners should not be applied in areas where water run-off is collected (e.g. in roof valleys).

Ridge ventilation should be provided in the case of non-insulated attics that have not been converted. To do so, install the SOLITEX membrane in such a way that it stops 5 cm before the ridge. In addition, permanent ventilation fittings should be provided in the unconverted attic. The membranes should then be protected against the long-term effect of UV (e.g. by blocking the entrance of light through the windows).

The SOLITEX MENTO 1000 underlay and sarking membrane can be used as temporary covering for up to 3 months to protect the building structure during the construction phase in accordance with the regulations of the Central Association of the German Roofing Trade (ZVDH). The roof pitch must be at least 14°.

The system components TESCON NAIDECK nail sealing tape, ORCON F joint adhesive and TESCON VANA are to be used for bonding of overlaps and joints. The connect variant has two self-adhesive sections for reliable exterior sealing. The specifications in the regulations of the German Roofing Trade are to be taken into account when carrying out installation and adhesion.

In accordance with the regulations, they are suitable as 'sarking membranes' for covering a roof with roof tiles and roof stones with simple overlapping as an additional measure for rain protection. When used as an 'underlay membrane' with simple overlapping on timber cladding, SOLITEX MENTO 1000 is also suitable as an additional measure for rain protection in the case of more demanding requirements.



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