SOLITEX MENTO 1000 connect

Light-weight roof underlay with self-adhesive zones

Technical data

	Substance
Protective and covering fleece	Polypropylene microfibre
Membrane	monolithic TEEE

Attribute	Regulation	Value
Colour		anthracite
Surface weight	EN 1849-2	115 g/m² ; 0.38 oz/ft²
Thickness	EN 1849-2	0.40 mm ±0.05 mm ; 16 mils
Water vapor resistance factor µ	EN ISO 12572	125
sd-value	EN ISO 12572	0.05 m
g-value		0.25 MN·s/g
Vapour permeance	ASTM E96	65.6 US perms
Surface burning characteristics	ASTM E96	Class A (Flame Spread 0; Smoke Developed 85)
Fire rating	EN 13501-1	E
Outdoor exposure		3 months
Water column	EN ISO 811	10 000 mm ; 32' 10"
Water tightness non-aged/aged*	EN 13859-1	W1 / W1
Watertightness of "connect" joints	EN 1928	W1
Tensile strength MD/CD	EN 13859-1 (A)	220 N/5 cm / 170 N/5 cm ; 25 lb/in / 19 lb/in
Tensile strength MD/CD aged*	EN 13859-1 (A)	185 N/5 cm / 160 N/5 cm ; 21 lb/in / 18 lb/in
Elongation MD/CD	EN 13859-1 (A)	60 % / 70 %
Elongation MD/CD aged*	EN 13859-1 (A)	40 % / 50 %
Nail tear resistance MD/CD	EN 13859-1 (B)	130 N / 135 N ; 29 lbf / 30 lbf
*) Durability after artificial ageing	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		2.3 W/(m·K) ; 16 BTU·in/(h·ft²·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

Application

For use as permeable roof underlay on roof decking, MDF and wood fibre underlay panels, and on all mat or panel-shaped thermal insulation materials.

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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pro clima®

Advantages

- Up to 3 months of outdoor exposure
- Ensures reliable building components: highly diffusion-open and maximum 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
- Reliable during the construction phase: suitable for temporary coverings during construction work during the construction period
- Quick and reliable adhesion thanks to the integrated 'connect' self-adhesive zones along the membrane strips

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 1 m (3 ft).
pro clima's Engineering Hotline or your local pro clima partner will be glad to provide information on how to proceed in the case of larger spacings.

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. The membrane should be protected against the long-term effect of UV (e.g. by blocking the entrance of light through the windows).

To protect the construction during the building SOLITEX MENTO 1000 can be used as a temporary roof cover for up to 3 months (the recommendations for specific locations may differ). 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 versions have two self-adhesive zones for secure exterior sealing. The applicable national regulations must be taken into account when installing and sticking pro clima underlay membranes.

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.

Tested for hazardous substances according to ISO 16000 For healthier indoor air

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes missions)

CE 07 DIN EN 13859-1

Made in Germany developed and produced by pro clima

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