

SOLITEX MENTO® 3000

Medium-weight roofing underlay



Technical data

| Material | |
|--------------------------------|--------------------------|
| Protective and covering fleece | Polypropylene microfibre |
| Membrane | Monolithic TEEE |

| Property | Regulation | Value |
|--|-----------------------------|---|
| Colour | | Anthracite |
| Surface weight | EN 1849-2 | 150 g/m ² ; 0.5 oz/ft ² |
| Thickness | EN 1849-2 | 0.45 mm ; 18 mils |
| Water vapour resistance factor μ | EN ISO 12572 | 110 |
| sd value | EN ISO 12572 | 0.05 m |
| g value | | 0.25 MN-s/g |
| Vapour permeance | ASTM E 96 | 38 perms |
| Fire rating | EN 13501-1 | E |
| Outdoor exposure | | 4 months |
| Hail impact resistance | VKF / AEAI | Class HR 5 |
| Watertight joints with 'connect' adhesive strips or TESCON VANA tape | EN 13859-1 | W1 |
| Sarking/roofing underlay membrane (Germany) | ZVDH-Produktdatenblatt 2024 | USB / UDB |
| Suitable as temporary roof covering (Germany) | ZVDH | Yes |
| Water column | EN ISO 811 | 10 000 mm ; 32' 10" |
| Watertightness, non-aged/aged* | EN 13859-1 | W1 / W1 |
| Tensile strength MD/CD | EN 13859-1 (A) | 280 N/5 cm / 220 N/5 cm ; 32 lb/in / 25 lb/in |
| Tensile strength MD/CD, aged* | EN 13859-1 (A) | 240 N/5 cm / 165 N/5 cm ; 27 lb/in / 19 lb/in |
| Elongation MD/CD | EN 13859-1 (A) | 60% / 70% |
| Elongation MD/CD, aged* | EN 13859-1 (A) | 50% / 65% |
| Nail tear resistance MD/CD | EN 13859-1 (B) | 180 N / 230 N ; 40 lbf / 52 lbf |
| *) Durability after artificial ageing at 120 °C ; 248 °F | 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 +120 °C; -40 °F to 248 °F |
| Thermal conductivity | | 0.04 W/(m·K) ; 0.3 BTU-in/(h·ft ² ·°F) |
| CE labelling | EN 13859-1 | Yes |

Areas of application

For use as a diffusion-open roofing underlay on roof sheathing, MDF and wood-fibre underlay panels, and over all mat or panel-shaped thermal insulation materials.

Supply forms

| Art. no. | GTIN | Length | Width | Contents | Weight | Sales unit | Container |
|----------|---------------|--------|-------|--------------------|--------|------------|-----------|
| 12900 | 4026639129000 | 50 m | 1.5 m | 75 m ² | 11 kg | 1 | 20 |
| 14354 | 4026639143549 | 50 m | 3 m | 150 m ² | 22 kg | 1 | 20 |

Advantages

- ✓ Flexible planning of construction schedules thanks to 4 months of outdoor exposure
- ✓ Ensures reliable building components: highly diffusion-open and maximum protection against driving rain and hail
- ✓ 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 as a temporary covering during the construction period

General conditions

SOLITEX MENTO membranes are to be installed with the printed side facing the installation technician. The membranes are to be installed as a roofing underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging. Ensure that the subsurface is even when installing the membrane as a roofing underlay membrane. When the membrane is used as a sarking membrane, the rafter spacing is limited to 100 cm (3 ft).

Fasteners may not be applied in areas where water runs off in a collected manner (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 (2") before the ridge. In addition, permanent ventilation fittings should be provided in the unconverted attic. The membrane should be protected against the long-term impacts of UV radiation (e.g. by darkening windows).

The SOLITEX MENTO 3000 roofing underlay can be used as temporary covering for up to 4 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); in this case, the roof pitch must be at least 14° (approx. 3:12). Other national regulations may vary. The system components TESCON NAIDECK nail-sealing tape, ORCON F joint adhesive and TESCON VANA are to be used for sealing of overlaps and joints. The connect variant has two self-adhesive strips for reliable exterior sealing. The specifications of the applicable national regulations are to be taken into account when carrying out installation and adhesion.

Under the regulations of the German Roofing Trade, these membranes 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 sheathing, SOLITEX MENTO membranes are also suitable as an additional measure for rain protection in the case of more demanding requirements.



Tested for hazardous substances according to



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 installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](<https://proclima.com/service/technical-support>).

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