

PRODUCT DATA SHEET

UNDERLAYMENT / SARKING MEMBRANE TOP 180

PRODUCT DESCRIPTION

The underlayment / sarking membrane Top 180 is a **highly permeable 3-layer roofing membrane** which is suitable for insulated, ventilated and unventilated pitched roofs as well as for use as a façade membrane on façades with closed joints. It has the **highest tear resistance** in its class and is suitable for roofs covered with concrete, ceramic and metal roofing tiles, as well as metal sheet and natural slate roofing. As there is no need for an air gap between this membrane and the insulation (mineral wool, fibreglass), it can be laid directly on top of the insulation.



ADVANTAGES

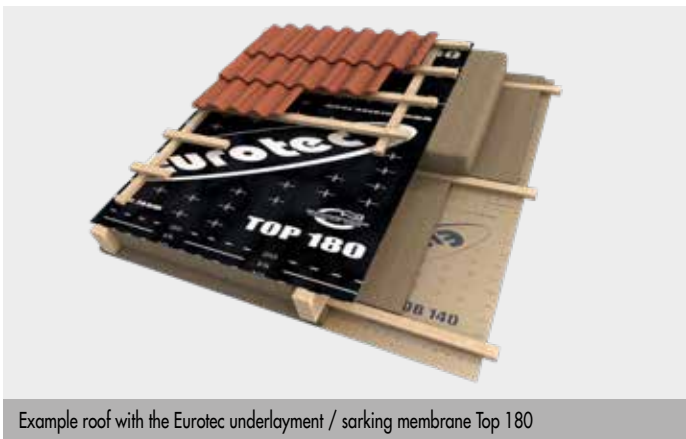
- Filed in the ZVDH (Central Association of the German Roofing Trade) product data sheet under the USB / UDB section
- Tear resistant
- Water resistance > 3000 mm H₂O
- Highly permeable
- Suitable for 4 weeks of outdoor exposure when used as temporary roofing
- Can be used for underlayment and sarking
- With two self-adhesive strips



NOTE

The final roof covering has to be fitted with battens and counter battens.

APPLICATION IMAGE



Example roof with the Eurotec underlayment / sarking membrane Top 180









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PRODUCT TABLE

| Art. no. | Designation | Dimensions [mm] | PU |
|----------|---|-------------------------------------|----|
| 954225 | Underlayment / sarking membrane Top 180 | 180 g/m ² ; 1.5 m x 50 m | 1 |

KEY FEATURES

| | | | | | |
|--|---------------------------|--------------------------|---|----------------------------------|----------------------------------|
|  | Grammage | ca. 180 g/m ² |  | Water vapour permeability | 3000 g/m ² /24h |
|  | SD value | approx. 0.025 m |  | UV stability | 4 months* |
|  | Water permeability | W1 |  | Roll coverage | 75 m ² (1.5 m x 50 m) |
|  | Pallet | 40 rolls |  | UV exposure | 4 weeks |

*According to the accelerated laboratory ageing test results, the barrier is UV stable for up to 4 months under average Central European sun exposure levels.



INSTRUCTIONS FOR USE

Suitable for use as underlay for insulated and ventilated pitched roofs, including on roof boarding. Perfect for refurbishing roofs and roof voids using the "inverted" roof approach. The sarking membrane is suitable for being directly laid on the insulation (mineral wool, fibreglass, etc.) in unventilated roofs, which has the advantage that the sarking membrane can be laid directly on the thermal insulation. The final roof covering has to be fitted by attaching battens and counter battens on top of the sarking membrane. Suitable for virtually all roofing systems – especially under roof tiles, roof slates, pan tile profiles, aluminium sheets, etc.

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TECHNICAL INFORMATION

| Specification | Method | Unit | Mean value | Tolerance | |
|---|------------------|--|------------|-----------|---------|
| | | | | Minimum | Maximum |
| Length (m) | EN 1848-2 | [m] | 50 | | |
| Width (m) | EN 1848-2 | [m] | 1.5 | | |
| Straightness | EN 1848-2 | [<30 mm / 10 m] | | Pass | |
| Grammage | EN 1848-2 | [g/m ²] | 180 | 170 | 190 |
| Fire classification under EN 13501-1 | EN ISO 11925-2 | [Class] | | E | |
| Watertightness | EN 1928 Method A | [Class] | W1 | | |
| Water vapour permeability (Sd) | EN ISO 12572 | [m] | 0.025 | 0.01 | 0.06 |
| Tear resistance, longitudinal | EN 12311-1 | [N/50 mm] | 360 | 310 | 410 |
| Tear resistance, transverse | EN 12311-1 | [N/50 mm] | 250 | 215 | 285 |
| Elongation, longitudinal | EN 12311-1 | [%] | | 35 – 70 | |
| Elongation, transverse | EN 12311-1 | [%] | | 50 – 90 | |
| Tear propagation, longitudinal | EN 12310-1 | [N] | 250 | 200 | 300 |
| Tear propagation, transverse | EN 12310-1 | [N] | 200 | 150 | 250 |
| Air permeability | EN 12114 | [m ³ /(m ² h50Pa)] | <0.01 | | |
| Dimensional stability (longitudinal & transverse) | EN 11702-2 | [%] | <1 % | | |
| Cold bending properties | EN 1109 | [°C] | -40 °C | | |

ARTIFICIAL AGEING BY EXPOSURE TO UV AND HEAT EN 1297, EN 1296

| Specification | Method | Unit | Values |
|-------------------------------|------------------|-----------|--------|
| Tear resistance, longitudinal | EN 12311-1 | [N/50 mm] | >280 |
| Tear resistance, transverse | EN 12311-1 | [N/50 mm] | >170 |
| Elongation, longitudinal | EN 12311-1 | [%] | ≥65 |
| Elongation, transverse | EN 12311-1 | [%] | ≥65 |
| Watertightness | EN 1928 Method A | [Class] | W1 |

OTHER SPECIFICATIONS

| Specification | Method | Unit |
|--|---|--------------|
| Aging test temperature | +80 °C | |
| Grading according to ZVDH product data sheet | Roofing membranes | |
| TU Berlin wind-driven rain test | Pass | AZ 150710-3 |
| Initial test | BTIG 0338 | 11/20369/PJH |
| Temperature resistance | -40 °C to +100 °C | |
| Outdoor exposure time | 3 months Central European climate | |
| Temporary roofing | 4 weeks with approved adhesive technology | |

EN 13859-1:2014 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing.

EN 13859-2:2014 Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls

General information: Underlayment / sarking membranes have to be stored in a dry place and protected from UV radiation. Products that are fitted with self-adhesive strips have to be additionally protected from frost and stored at a temperature below +40 °C. Products with integrated self-adhesive strips should not be stored for more than 12 months.

If you are not familiar with this product's application, and particularly with the product's intended use, please contact our Application Technology department (technik@eurotec.team).