

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

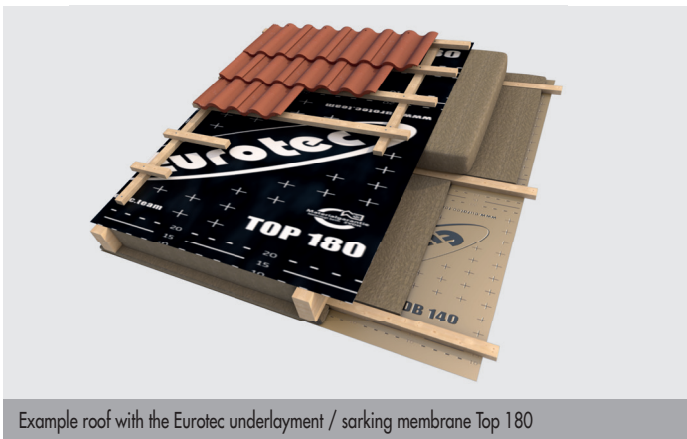
- Filed in the ZVDH (Central Association of the German Roofing Trade) product data sheet under the USB-A / UDB-A section
- Tear resistant
- Water resistance > 3000 mm H₂O
- Highly permeable
- Suitable for 4 weeks of outdoor exposure when used as temporary roofing
- Can be used for underlayment and sarking
- 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 ² /(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	BT TG 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).