PRODUCT DATA SHEET

TOP 150 UNDERLAYMENT / SARKING MEMBRANE

PRODUCT DESCRIPTION

The Top 150 underlayment / sarking membrane is a **3-layer, highly vapour-permeable underlayment** and is suitable for insulated, ventilated and unventilated pitched roofs, also with formwork, even if they are fully exposed to water, for example in the form of precipitation, and also in the case of closed joints as a façade membrane. It is characterised by an **increased tear resistance,** which makes them much easier to work with.
It is not necessary to maintain a ventilation slit between the membrane and the thermal insulation (mineral wool, fibre glass) for the installation – the product **can be applied directly to the thermal insulation.** The Top 150 underlayment / sarking membrane is suitable for bonding with virtually all types of roofing – it is recommended for metal and aluminium roofs as well as for concrete and clay tiles.

ADVANTAGES

- Filed with the ZVDH (Central Association of the German Roofing Trade) under Roofing Membranes
- High tear strength
- UV-resistant
- Water resistance > 3000 mm H_2O
- Suitable for 4 weeks of outdoor exposure when used as temporary roofing
- Suitable for use as supported and unsupported underlay
- With two self-adhesive strips

APPLICATION IMAGE

Example of roof construction with the Eurotec underlayment / sarking membrane Top 150

NOTE

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

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • 58099 Hagen, Germany
Tel. +49 (0)2331 62 45-0 • Fax +49 (0)2331 62 45-200 • Email info@eurotec.team

PRODUCT DATA SHEET

TOP 150 UNDERLAYMENT / SARKING MEMBRANE

PRODUCT TABLE

Art. no.	Designation	Dimensions [mm]	PU
954224	Underlayment / sarking membrane Top 150	145 g/m²; 1.5 m x 50 m	1

KEY FEATURES

Mass per unit area	approx. 150 g/m²	**Water vapour permeability**	3000 g/m²/24h
SD value	approx. 0.025 m	**UV stability**	4 months*
Water permeability	W1	**Roll coverage**	75 m² (1.5 m x 50 m)
Pallet	50 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 underlayment 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 – in particular underneath concrete or clay roofing tiles, roofing panels and aluminium sheets etc.

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • 58099 Hagen, Germany
Tel. +49 (0)2331 62 45-0 • Fax +49 (0)2331 62 45-200 • Email info@eurotec.team

PRODUCT DATA SHEET

TOP 150 UNDERLAYMENT / SARKING MEMBRANE

TECHNICAL INFORMATION

Specifications	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]		Passed	
Grammage	EN 1848-2	[g/m²]	150	140	160
Fire behaviour according to 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]	300	260	340
Tear resistance, transverse	EN 12311-1	[N/50 mm]	220	200	240
Elongation, longitudinal	EN 12311-1	[%]		35 – 70	
Elongation, transverse	EN 12311-1	[%]		50 – 90	
Tear propagation, longitudinal	EN 12310-1	[N]	175	145	205
Tear propagation, transverse	EN 12310-1	[N]	150	120	180
Resistance against air passage	EN 12114	[m³/(m²h50Pa)]	<0.01		
Dimensional accuracy (longitudinal and transverse direction)	EN 11702-2	[%]	<1%		
Cold bending properties	EN 1109	[°C]	-40°C		

PLASTIC ALTERATION DUE TO UV AND HEAT EN 1297, EN 1296

Specifications	Method	Unit	Values
Tear resistance, longitudinal	EN 12311-1	[N/50 mm]	>240
Tear resistance, transverse	EN 12311-1	[N/50 mm]	>155
Elongation, longitudinal	EN 12311-1	[%]	≥65
Elongation, transverse	EN 12311-1	[%]	≥65
Watertightness	EN 1928 Method A	[Class]	W1

ADDITIONAL SPECIFICATIONS

Specifications	Method	Unit
Temperature of ageing test	+80°C	
Classification according to product data sheet of ZVDH	UDB-A/USB-A	
Driving rain test of TU Berlin	Passed	AZ 150710-3
Initial test	BTTG 0338	11/18799/B1/PJH, 11/18799/B2/PJH
Temperature resistance	-40 °C to +80 °C	
Outdoor exposure time	3 months in Central European climate	
Temporary roofing	4 weeks with approved adhesion technology	

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

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

General information: Underlayments must be stored dry and protected from UV radiation. Products that are equipped with self-adhering strips must additionally be free of frost and not stored above +40°C.
The storage time of products with integrated self-adhesive strips must be limited to 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).

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • 58099 Hagen, Germany
Tel. +49 (0)2331 62 45-0 • Fax +49 (0)2331 62 45-200 • Email info@eurotec.team