

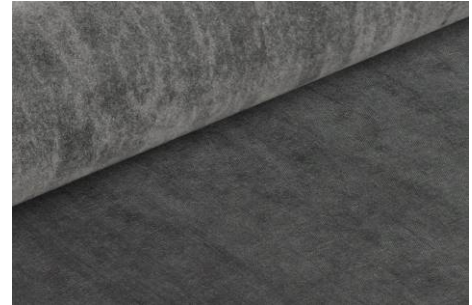


UNDERLAY PRO (S) 500

SBS-modified bitumen polyester-reinforced ultralight underlay membrane for pitched roofs with mechanical fixation

Product description

UNDERLAY PRO (S) 500 is an SBS-modified bitumen membrane reinforced with polyester. The bottom side of the material is covered with fine-grained sand, the top one – with spunbond that prevents applicators from slipping from the pitched roof. Ultralight weight of the membrane makes application on the roof slope easier and safer. The high-quality polymer-bitumen compound has the property of self-healing, which grants absolute tightness in places of nail penetration.



Also available in a variation with longitudinal thermoactive bitumen overlap strips for increased convenience and speed of application – UNDERLAY PRO (S) 500 stick.

Area of application

UNDERLAY PRO (S) 500 is used as an underlay membrane for roofing shingles in systems of pitched roofs with mechanical fixation (nailing). Cannot be used in zones of valleys and eaves as these areas are most prone to leakages and require the application of self-adhesive membrane ULRAFLEX SA.

Performance of works

The material is installed on the continuous rigid wood decking (OSB-3, plywood, tongue or groove planks). The surface should be flat, smooth, clean and dry. Align the membrane perpendicular to the slope and fix it with roofing nails on the top longitudinal side with the fastening span of 20-25 cm. Longitudinal overlaps should be 100 mm, transverse – 150 mm. Apply a 10 cm wide and maximum 1 mm thick strip of bitumen mastic TECHNOMICOL FIXER on all overlaps (in case of using UNDERLAY PRO (S) 500 stick, apply the mastic only on transversal overlaps). The abutting ends of the adjacent rolls should be displaced for at least half a meter from each other. More details on installation are given in the relevant manuals for pitched roofs with shingles by TECHNOMICOL (nailing method).

Storage and transportation

Rolls of the material should be stored indoors in a dry place in their original packaging and taken to the construction site ready to use. Rolls should be stored upright on pallets in a 1-row height. Storage of rolls in a horizontal position is prohibited. Falls or other mechanical impacts should be avoided during transportation and storage. Shelf life if all storage requirements are met: 12 months from the date of production.

Main characteristics

Properties	Test method	Performance
Mass per unit area, kg/m ²	EN 1849-1	0.5±0.1
Length, m	EN 1848-1	25±2%
Width, m	EN 1848-1	1±3%
Flexibility at low temperature, °C	EN 1109-1	≤-20
Flow resistance at elevated temperature, °C	EN 1110	≥+120
Tensile properties: elongation L / T, %	ASTM D5147	40±10 / 40±10
Tensile properties: maximum tensile force L / T, N/50mm	ASTM D5147	500±150 / 400±100
Tear resistance L / T, N	ASTM D4073	180±50 / 180±50
Type of carrier	-	polyester
Protection of the top side	-	spunbond
Protection of the bottom side	-	fine-grained sand

Footnotes: L / T – Longitudinal / Transverse.