

ICB WATERPROOFING
Datasheet

STRATAPRO & STRATAPRO M

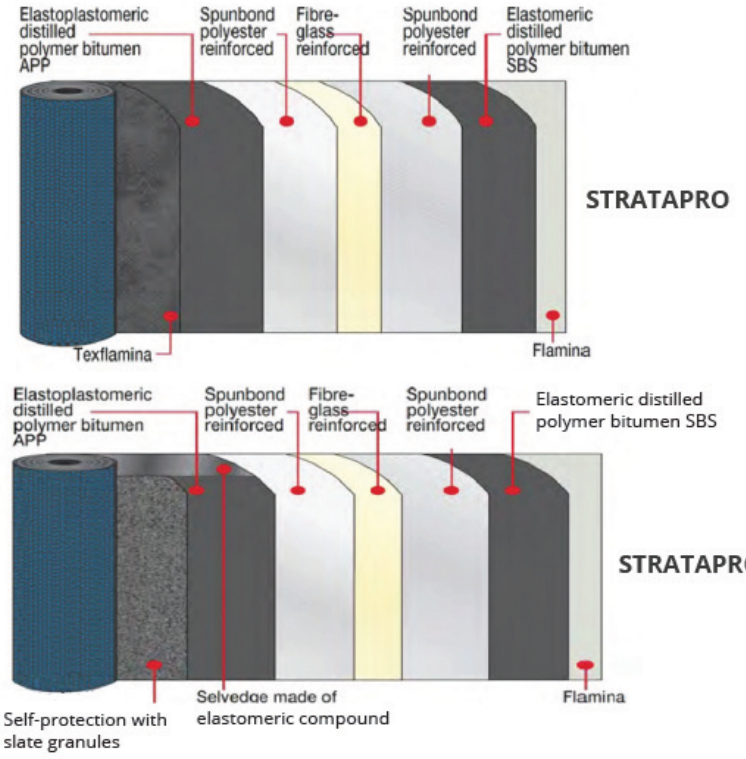
Waterproofing membranes made of multilayer composite distilled polymer-bitumen and composite reinforcement

PROFILE

STRATAPRO and STRATAPRO M are multi-layer composite bitumen waterproofing membranes. The underside of the membranes are made of SBS modified bitumen, while the upper layer is made of APP-modified bitumen. The SBS on the lower face offers high level of flexibility, and boast elongation of up to 2000%, it will remain flexible in temperatures as low as –25°C, and has a high resistance to thermo-oxidative ageing. The upper layer consists of an elastoplastomeric mix of distilled bitumen, atactic and isotactic polypropylene and UV resistant polyolefin elastomers, supplemented with thermal shock stabilisers.

STRATAPRO and STRATAPRO M have a composite prefabricated three-layer reinforcement system. A fiber glass mat is compressed between two layers of nonwoven polyester fabric, this reinforcement limits the movements of the membrane both at high and low temperatures providing stability to the membranes. STRATAPRO and STRATAPRO M are suitable for both torched application and mechanical fixing, the fibers within the membrane are impregnated and coated with an elastomeric mix using an exclusive procedure which guarantees absolute waterproofing, high resistance to tearing and impact, and excellent elasticity even at low temperatures.

COMPOSITION OF THE MEMBRANES



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ADVANTAGES

The STRATAPRO range can be applied in a single layer or as a finishing layer in a multilayer system. STRATAPRO provides a smooth finished surface whilst STRATA PRO M provides a mineral slate finish.

The high mechanical strength, flexibility, thermal stability anddurability of the STRATAPRO range means it can be used on roofs subject to considerable dimensional variations in both hot and cold climates. The strong welds obtained on the smooth upper face, both for the side and end joints, guarantees perfect bonding even on flat areas and in the presence of ponding.

Thanks to the excellent fatigue strength of these elastomeric membranes, even when they are fully bonded, STRATAPRO and STRATAPRO M are resistant to dimensional variations and active cracks which appear on cement surfaces.

TECHNICAL DATA

	Standard	T	STRATAPRO	STRATAPRO M
Reinforcement			Composite Three-Layer Non-Woven Spunbound and fibreglass	Composite Three-layer Non-woven Spunbond and fibreglass
Thickness	EN 1849-1	±0,2	4mm	4mm
Weight Mineral	EN 1849-1	±15%	-	4.5kg / m2
Roll Size	EN 1848-1	≥	1x8m	1x8m
Watertightness After Aging	EN 1928-B EN 1926-1928	≥	60 kPa 60 kPa	60 kPa 60 kPa
Peel Resistance	EN 12316-1	-20N	100 N/50 mm	100 N/50 mm
Shear Resistance L/T	EN 12317-1	-20%	650/550 N/50 mm	6550/550
Maximum Tensile Force L/T	EN 12311-1	-20%	750/650 N/50 mm	750/650
Elongation L/T	EN 12311-1	-15% V.A.	50/50%	50/50%
Resistance to impact	EN 12691-A		1 250mm	1 250mm
Resistance to static loading	EN 12730-A		20kg	20kg
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	250/250 N	250/250 N
Flexibility to low temp. after aging	EN 1109 EN 1296-1109	≤ +15 °C	-15 °C/ -25 °C -20 °C	-15 °C/ -25 °C -20 °C
Flow resistance at high temperature after ageing	EN 1110 EN 1296-1110	≥ -10 °C	100 °C 90 °C	100 °C 90 °C
Reaction to fire Euroclass	EN 13501-1		E	E
UV Ageing	EN 01297		Test Passed	
Thermal Conductivity			0.2 W/mK	0.2 W/mK
Heat Capacity			5.40 KJ/K-m2	4.80 KJ/K-m2
Dimensional Stability	EN 1107-1	≤	-0.20/+0.10%	-0.20/+0.10%

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