

ROOFSTAR

Versatile & high performance torch-on membrane

Roofstar compound is a formulation of distilled bitumen and Atactic Polypropylene (APP) which offers good thermal stability and resistance to ageing. This special bituminous compound was specifically developed to attain the ideal balance between the following characteristics:

- plasticity and ease of application
- flexibility at low temperature -5°C
- shape stability to heat +130°C
- cost effectiveness.

Due to the use of non-woven polyester reinforcement stabilized with glass fiber strands, Roofstar assures outstanding mechanical performance coupled with dimensional stability (< 0,3%). The complete saturation of the single medium/high mass per unit area carrier eliminates problems of delamination and curvature stresses associated with double reinforcing layer membranes.

It is available with a bottom finish of heat fusible polyethylene film, and top finish of sand.

| TECHNICAL DATA ROOFSTAR | U/m | 3 mm | 4 mm |
|--|------------|-------------|-------------|
| Top finish | | Sand | Sand |
| Reinforcement | | SP POL | SP POL |
| Thickness (EN 1849-1) | mm | 3 | 4 |
| Ultimate tensile strenght (EN 12311-1) | | | |
| - maximum longitudinal resistance at break | N | 600 | 600 |
| - longitudinal elongation at break | % | 40 | 40 |
| - maximum transverse resistance at break | N | 500 | 500 |
| - transverse elongation at break | % | 40 | 40 |
| Tearing resistance (EN 12310-1) | | | |
| - maximum longitudinal resistance at break | N | 150 | 150 |
| - maximum transverse resistance at break | N | 150 | 150 |
| Flexibility at low temperatures (EN 1109) | °C | -5 | -5 |
| Softening point (ASTMD 36-86) | °C | +150 | +150 |
| Shape stability to heat | °C | +130 | +130 |
| Rolls (1m x 10 m) per pallet | No. | 30 | 23 |

SP POL: Non-woven polyester stabilised with glass fibre (high performance)

Manufactured according to CASALI Quality System ISO 9001 Certified, CE 0120

The technical data refer to the average results obtained from the tests carried out on current products and may be modified by CASALI S.p.A. at any time without prior notice. The values comply with UNI 8629/2 and UEAtc directives. The warranty covering the specific characteristics of the different types of membranes does not include their appearance that may be affected by different environmental factors.



APPLICATIONS

Roofstar membranes have been carefully designed to match the requirements of South African conditions while incorporating the latest technology available.

Roofstar membranes are extremely versatile and are designed for multiple or single layer waterproofing systems. They offer excellent protection against water infiltration on flat concrete or sloping roof structures, foundations and underground structures. Roofstar membranes prevent the spread of moisture in roofs and concrete floorslabs.

When torching is not possible, Roofstar - made of a polyester suitable to be mechanically fixed - is still the ideal product to use as the base layer.

These heat fused membranes are typically applied to primed surfaces and may be used in covered applications, or exposed situations where the exposed layer is treated with bitumen aluminium paint or a suitable acrylic coating.

Roofstar is backed by a 10 year product performance guarantee.

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DALVEN products

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