

Technical Data Sheet TOP/S

Product Description / Use:

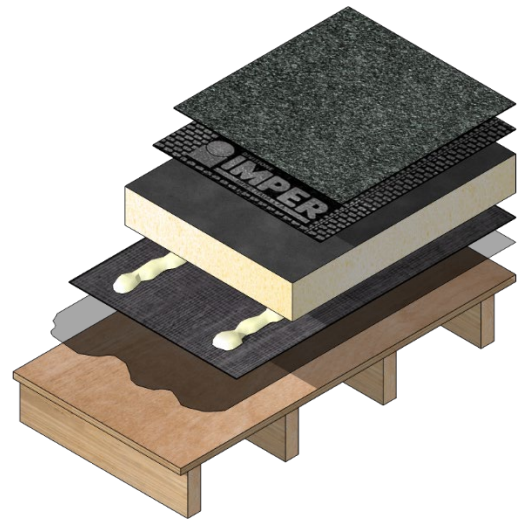
TOP/S is an APP modified bitumen polymer waterproofing membrane for use as a base layer under Paralon waterproofing systems including; Flat Roofs, Terraces, Green Roofs, Podiums, Car Parks and Bridge Decks, Tunnels, Foundations and Underground Structures.

The Paralon range of waterproofing membranes, may be used in new build and refurbishment applications and are suitable for applications in low temperature conditions. Paralon remains flexible at low temperatures and exhibits high resistance to thermal stress.

The pre-fabricated membranes of the TOP series are obtained by coextrusion of an elastoplastic bitumen-polymer blend. TOP/S contains a non-woven polyester reinforcement with continuous filament and dimensional stability controlled with longitudinally positioned mineral fibres.

The precise formulation and the particular dispersion of the distilled bitumens and polymers ensure good mechanical performance and ageing.

The upper side is finished with a sanded surface, the lower side of the membrane, is covered by the TERMOTENE thermal cut-off film, which improves application and adhesion to the substrate being waterproofed.



TOP/S contains no asbestos, tar or other dangerous substances.

Certification:



NSAI

Safe2Torch



System Fire Testing:

Classification Standard BS EN 13501-5: 2016
Test Standard: CEN/TS 1187:2012

warringtonfire

Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst TOP/S can be included in compliant B_{ROOF (t4)} Paralon systems, always check with MOY Technical Services for the very latest information on fire testing carried out.



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Technical Specification:

| Specifications | EN Standards | Unit of Measure | Tolerances ⁽¹⁾ | TOP/S |
|---|--------------|-------------------|---------------------------|--------------------|
| Roll dimensions | 1848-1 | m | ≥ | 10 x 1 (-1%) |
| Thickness | 1849-1 | mm | ±5% | 3 |
| Mass per unit area | 1849-1 | kg/m ² | ±10% | - |
| Watertightness | 1928-B | kPa | ≥ | 60 |
| Cold flexibility | 1109 | °C | ≤ | -10 |
| Flow resistance at elevated temperature | 1110 | °C | ≥ | +120 |
| L/T tensile strength | 12311-1 | N/5cm | ±20% | 700/450 |
| L/T tensile elongation | 12311-1 | % | ±15 | 40/45 |
| L/T dimensional stability | 1107-1 | % | ≤ | 0.25 |
| Static puncture | 12730 | kg | ≥ | - |
| Dynamic puncture | 12691-B | mm | ≥ | - |
| L/T tear resistance | 12310-1 | N | ±30% | 150/160 |
| Joint peel resistance | 12316-1 | N/5cm | ±20 N | - |
| Joint cut resistance | 12317-1 | N/5cm | ±20% | - |
| Durability after ageing: | | | | |
| • Cold flexibility | 1296-1109 | °C | +15°C | - |
| • Flow resistance at elevated temperature | 1296-1110 | °C | -10°C | +120 |
| • UV Ageing | 1297 | - | - | - |
| • Watertightness | 1296-1928 | kPa | ≥ | 60 |
| • Chemical resistance | - | - | - | NPD ⁽²⁾ |
| • L/T tensile strength | 12311-1 | N/5cm | ±20% | 600/350 |
| • L/T tensile elongation | 12311-1 | % | ±15 | 35/40 |
| Steam permeability | 1931 | μ | ≥ | 20,000 |
| Root resistance | 13948 | | - | NPD ⁽²⁾ |
| External fire behaviour | 13501-5 | EC ⁽³⁾ | - | NPD ⁽²⁾ |
| Fire reaction | 13501-1 | EC ⁽³⁾ | - | F |

Notes:

- (1) In compliance with the applicable AISPEC/SITEB-MBP Guidelines.
 (2) Characteristic not determined because it is not relevant for use.
 (3) Euroclass.

Delivery form:

Rolls.

Storage:

Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.

Shelf life:

They can be stored for up to 24 months in cool, dry conditions.



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Safety:

Safety precautions to be taken when using this product is given in the Safety Data Sheet.

Disposal:

Information for this product is given in the Safety Data Sheet.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.