

## ELASTOPHENE 180-25

**ELASTOPHENE 180-25** is a SBS elastomeric bitumen waterproofing membrane with a non-woven polyester reinforcement.

Both sides are protected by fine sand.

### User application

**ELASTOPHENE 180-25** is used as first or second layer under protection in all two-ply elastomeric bitumen waterproofing systems. To be used outside only.

All the applications are described in Technical Approvals or **SOPREMA's** Technical Guidelines in force.

### Composition

|               |            | ELASTOPHENE 180-25  |
|---------------|------------|---|
| Reinforcement |            | Non-woven polyester   |
| Binder        |            | Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers |
| Thickness     | On overlap | 2,6 mm (-5 % ; +5%)   |
| Topside       |            | Fine sand   |
| Underside     |            | Fine sand   |

\*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings.

### Packaging

|                        |  | ELASTOPHENE 180-25                      |                      |
|------------------------|--|---|----------------------|
| Dimensions of the roll |  | Standard*<br>7 m x 1 m                  | Export<br>10 m x 1 m |
| Weight of the roll     |  | about 25 kg                             | about 32 kg          |
| Storage                |  | Upright on pallet with plastic wrapping |                      |

Roll lengths are given with a tolerance of  $\leq 1\%$ .  
Roll can be cut in two parts. In this case, the shortest length is 2 meters and the total length is equal to the nominal length.  
Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum of two high with separating layer. During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.

\*Prevents from the arduousness for roofers on worksite

## Characteristics (off CE marking)

|   | ELASTOPHENE 180-25 |
|---|--------------------|
| Static puncture resistance (NF P 84-352)<br>- with <b>ELASTOPHENE (FLAM) 25</b> underlayer  | ≥ 25 kg (L4)       |
| Dynamic puncture resistance (NF P 84-353)<br>- with <b>ELASTOPHENE (FLAM) 25</b> underlayer | ≥ 20 J (D3)        |
| FIT classification:<br>- with <b>ELASTOPHENE (FLAM) 25</b> underlayer                       | F5 I5 T4*          |

\*T4 becomes T2 when using SOPRACOLLE 300 N or with bitumen bonding in the system.

## Installation

**ELASTOPHENE 180-25** is applied either bonded with hot bitumen or cold adhesive (**SOPRACOLLE 300 N**) or by torch-on techniques.

## Special indications

### Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements. For further information, please refer to relevant Safety Data Sheet.

### Traceability:

Product traceability is ensured through a manufacturing code present on the packaging.

### Quality control:

**SOPREMA** has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.

## CE marking

|   |
|---|
| <br><b>1119</b>  |
| <b>ELASTOPHENE 180-25</b><br><br><b>SOPREMA</b><br>14 rue de Saint-Nazaire – CS 60121<br>67025 STRASBOURG cedex<br><br><b>06</b><br>Construction Product Regulation (CPR)<br>Declaration of Performance : DoP n° WPBFR210<br>Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134.                      |
| <b>EN 13707</b><br>Membrane composed of modified elastomeric bitumen and non-woven polyester reinforcement.<br>Both sides are protected by fine sand.<br>Dimensions : 7 m or 10 m x 1 m x 2,6 mm.<br>Applied by torch-on techniques or bonded with hot bitumen or cold adhesive.<br>First or second layer under protection. |

| Essential characteristics   | Performances                   | Harmonised Technical Specification     |
|---|--------------------------------|--|
| Classification for external fire exposure (Note 1)  | <b>FROOF (t1,t2,t3,t4)</b>     | <b>EN 13707:2004<br/>+<br/>A2:2009</b> |
| Reaction to fire  | <b>E</b>                       |  |
| Watertightness  | <b>Conform</b>                 |  |
| Tensile properties :<br>Tensile strength L x T (N / 50 mm)<br>Elongation L x T (%)                | <b>≥ 550 x 400<br/>30 x 30</b> |  |
| Root resistance   | <b>NPD</b>                     |  |
| Resistance to static loading (kg)   | <b>20</b>                      |  |
| Resistance to impact (mm)   | <b>1000</b>                    |  |
| Resistance to tearing (N)   | <b>≥ 200</b>                   |  |
| Joint strength<br>Peel resistance of joints (N / 50 mm)<br>Shear resistance of joints (N / 50 mm) | <b>NPD<br/>NPD</b>             |  |
| Durability<br>Flow resistance at elevated temperature after ageing                                | <b>90°C</b>                    |  |
| Flexibility at low temperature  | <b>-16°C</b>                   |  |
| Dangerous substances (Notes 2 and 3)  | <b>Complies</b>                |  |

Note 1 : Since external fire performance depends on the other components of the roof build-up, no performance can be given.

Note 2 : This product does not contain asbestos or tar constituents.

Note 3 : Since there is no European test method available, no performance declaration for leaching behavior can be made. It must be made according to national rules in force in the place of use.

| Additional characteristics  | ELASTOPHENE 180-25 |
|---|--------------------|
|   | MLV*               |
| Flow resistance at elevated temperature (EN 1110)   | 100 °C             |
| Dimensional stability (EN 1107-1)   | 0,5 %              |
| *MLV = Manufacturer's Limiting Value: Minimum value as started by the manufacturer to be met during testing of type, internal quality control or external supervision with a confidence level of 95 % |                    |