

TECHNICAL DATA SHEET

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N° DTE 11-039_EN CE cancels and replaces DTE 10.028_EN CE

CONTRACT 180

Description

Composition

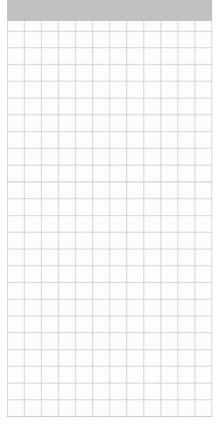
CONTRACT 180 is a flexible SBS elastomeric bitumen waterproofing membrane with a non-woven polyester reinforcement.

Both sides are covered by fine sand.

| | CONTRACT 180 | |
|-------------------|--------------------------------|--|
| Reinforcement | Non-woven polyester (180 g/m²) | |
| | Elastomeric bitumen*: blend of | |
| Binder | selected bitumen and SBS | |
| | thermoplastic polymers. | |
| Nominal thickness | 2 mm (1,9 mm minimum) | |
| Underside | Sand | |
| Topside | Sand | |

^{*}According to UEAtc directives concerning the normalisation of waterproof elastomeric SBS bitumen coverings.

Characteristics



| | CONTRACT 180 | |
|---|--------------------------------|--------------------------------|
| | MDV ¹ | MLV ² |
| Tensile Strength (EN 12311-1) -longitudinal -transversal | 800 N/ 5cm 650 N/ 5cm | 550 N/ 5cm 500 N/ 5cm |
| Elongation with maximum force (EN 12311-1) -longitudinal -transversal | 45 % 55 % | 30 % 30 % |
| Low temperature flexibility (EN 1109) | No observed cracks at -20°C | No observed cracks at -16°C |
| High temperature resistance (EN 1110) | 105°C | 100°C |
| Dimensional stability at 80°C (NF P 84-352) | 0,3 % | ≤ 0,5 % |

 $^{^{(1)}\}text{MDV}=\text{Manufacturer's determined value:}$ An arithmetic mean value of a minimum number of independent measurements.

 $^{^{(2)}}$ MLV = Manufacturer's limiting value: Minimum or maximum 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 %.



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Packaging

| | CONTRACT 180 | |
|-----------------|---|--|
| Roll dimensions | 15 m x 1 m | |
| Roll weight | about 37 kg | |
| Storage | Upright on pallet with plastic wrapping, protected against moisture | |

Roll lengths are given with a tolerance of ≤ 1 %. Roll can be cut in two parts. In this case, the shortest length is 3 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 $+ 2^{\circ}$ C ($+ 36^{\circ}$ F) for at least 5 hours before installation.

User application

CONTRACT 180 is to be used as a first or secondary layer under protection in all multi-ply elastomeric bitumen waterproofing systems.

All the applications are described in French Standards DTU, Technical Guidelines or Technical Approvals. For further details refer to specific technical information.

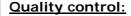
Installation

CONTRACT 180 must be installed with hot bitumen or by cold bonded (**SOPRACOLLE 300 N**) onto a compatible surface.

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 more information, please refer to relevant Safety Data Sheet.



SOPREMA has always attached the highest importance to Quality Control.

For this reason, we operate an independently monitored Quality Assurance System in compliance with **BS EN ISO 9001**: 2008, certified by **BSI Management System**.





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CE Marking

CONTRACT 180 is a flexible membrane for roof waterproofing and complies with EN 13707, thereby bearing the CE standard marking.

General information concerning the CE marking, expressed in MLV, can be found below. For more information, please refer to the relevant Declaration of Conformity.



CSTB 0679

CONTRACT 180

SOPREMA S.A.S.

B.P. 60121 – 14, rue de St-Nazaire 67025 STRASBOURG CEDEX 1

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Certificate of Factory Production Control 0679-CPD-0133

EN 13707

Membrane composed of modified elastomeric bitumen and a non-woven polyester reinforcement. Topside and underside are covered with fine sand.

Dimensions: 15 m x 1 m x 2 mm.

Membrane is not be used for single layer application. Recommended do be applied with hot bitumen.

Underlayer or top layer under additional protection.

| Classification for external fire exposure (EN 13501-5) | NPD |
|---|------------|
| Reaction to fire (EN 13501-1) | E |
| Tensile Strength in longitudinal direction (EN 12311-1) | 550 N/ 5cm |
| Tensile Strength in transversal direction (EN 12311-1) | 500 N/ 5cm |
| Elongation in longitudinal direction (EN 12311-1) | 30 % |
| Elongation in transversal direction (EN 12311-1) | 30 % |
| Low temperature flexibility (EN 1109) | - 16 °C |
| Flow resistance at high temperature | 90 °C |
| (EN 1110) | |
| Watertightness (EN 1928) | Conform |
| | · |