

CONTRACT 180

Description

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

Both sides are covered by fine sand.

Composition

	CONTRACT 180
Reinforcement	Non-woven polyester (180 g/m ²)
Binder	Elastomeric bitumen*: blend of 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	800 N/ 5cm	550 N/ 5cm
-transversal	650 N/ 5cm	500 N/ 5cm
Elongation with maximum force (EN 12311-1)		
-longitudinal	45 %	30 %
-transversal	55 %	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⁾MDV = 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 %.

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 $\leq 1\%$. 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°C (+ 36 °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.

Quality control:

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**.




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	
<p><u>CONTRACT 180</u> SOPREMA S.A.S. B.P. 60121 – 14, rue de St-Nazaire 67025 STRASBOURG CEDEX 1 06 Certificate of Factory Production Control 0679-CPD-0133</p>	
<p><u>EN 13707</u> 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.</p> <p>Membrane is not be used for single layer application. Recommended do be applied with hot bitumen.</p> <p>Underlayer or top layer under additional protection.</p>	
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 (EN 1110)	90 °C
Watertightness (EN 1928)	Conform