

Product Technical Information

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PREFLEX

DESCRIPTION AND SCOPE OF APPLICATION

This product is a high performance reinforced SBS elastomeric bitumen sheet for waterproofing works.

This product is used as:

- Base layer of a two-layer waterproofing system for roof gardens and multi-use flat roof under protection.
- Base layer of a two-layer waterproofing system for protection of foundations walls and below ground structures.

It can be used for miscellaneous works.

This product must be used in accordance with Siplast relevant technical specifications.



COMPOSITION

Main surface	Thermo-fusible film
Longitudinal overlap surface	Not applicable (N/A)
Blend	Fillerized SBS (styrene – butadiene – styrene) elastomeric bitumen
Reinforcement	Non-woven polyester
Back surface	Thermo-fusible film

DIMENSIONAL CHARACTERISTICS

	Nominal value
Thickness on the longitudinal selvedge (mm)	(N/A)
Thickness on the main surface (mm)	3,0
Longitudinal selvedge width (mm)	(N/A)
Roll length and width (mm)	10 x 1
Weight / m ² (kg/m ²)	3.8
Weight / roll (kg)	38.6

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France.
Our company reserves the right to modify its composition as a result of technological and experimental improvements.

To obtain the up-date technical data sheet, please contact Siplast



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Physical and Mechanical Properties

According with EN 13707

Property (as Manufactured)	Test Method	Units	Nominal values
Tensile strength at max	EN 12 311-1	N/50mm	650 x 350
Elongation at max	EN 12 311-1	%	35 x 35
Nail tearing resistance	EN 12 310-1	N	150 x 150
Cold temperature flexibility	EN 1109	°C	≤ - 20
Heat flow test	EN 1110	°C	≥ 100
Dimensional stability	EN 1107-1	%	≤ - 0.5
Static Puncture resistance (soft substrate)	EN 12730 A	kg	15
Static Puncture resistance (hard substrate)	EN 12730 B	kg	20
Impact resistance (hard substrate)	EN 12691-A	mm	900
Impact resistance (soft substrate)	EN 12691 B	mm	1000
Waterproofing	EN 1928	-	Pass

According with ASTM D 5147

Property (as Manufactured)	Test Method	Units	Nominal values
Tensile strength at max	ASTM D 5147 section 6	kN/m	12.6 x 7.1
Elongation at max	ASTM D 5147 section 6	%	47.3 x 47.3
Cold temperature flexibility	ASTM D 5147 section 11	°C	≤ - 20
Heat flow test	ASTM D 5147 section 15	°C	≥ 100

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PACKAGING

Rolls quantity per truck pallet	25
Rolls quantity per container pallet	30
Rolls quantity per wooden box	25

GENERALITIES ABOUT APPLICATION

Using	The generalities about the product using are set out in the ZSA STANDARD
Application	The generalities about the product application are set out in the ZTA STANDARD
Overlaps	Current building practices concerning overlaps are set out in the ZRA STANDARD
Slopes	Current building practices concerning slopes are set out in the ZPA STANDARD

COMPLEMENTARY INFORMATIONS

Product identification	
Values	Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.
Tolerances	The average values derived from standard tests and are subject to the usual production variations. The indicated average values comply with the UEAtc standard and EN 13707. The nominal value tolerances comply with the UEAtc standards. Some slight variations can be noticed as the values are based on the average values obtained from several plants.
Modification(s)	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department.
Hazardous classification	It is not classified as dangerous according to the international regulation (ADR, RID, IATA, et RTMDR)
Complementary information	This product is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department.
Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.