

## PARAFOR M3S

### PRODUCT DESCRIPTION AND USES

High performance reinforced SBS elastomeric bitumen membrane for waterproofing works.

This product is for use as:

- underlayer of a two-layer, self-protected roof waterproofing system,
- underlayer or top layer of a two-layer roof waterproofing system under heavy protection (gravel ballast, slabs on adjustable supports, etc. ),
- vapour barrier on concrete or wooden deck.

It can be also used for miscellaneous works.

In either case, this product must be used in accordance with the relevant technical specifications accepted by our company.

### COMPOSITION

Surface	Sanded
Blend	Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen
Reinforcement	Nonwoven polyester 180 g/m <sup>2</sup>
Under face	Hot melt film


### DIMENSIONAL CHARACTERISTICS

Nominal thickness (mm)	3.0
Nominal width (mm)	1000
Roll nominal length (m)	10.0
Area density (kg/m <sup>2</sup> )	3.603
Mass per roll (kg)	36.3

### PERFORMANCES

Test	Standard	Unit	Average value
Tensile strength	EN 12 311-1	N/50mm	850 x 600
	ASTMD 5147-6	kN/m	18.2 x 12.6
Elongation	EN 12 311-1	%	40 x 49
	ASTMD 5147-6	%	54 x 66
Cold temperature flexibility	EN 1109	°C	-20
	ASTMD 5147-11	°C	≤ - 15
Heat flow test	EN 1110	°C	100
	ASTMD 5147-15	°C	≥ 100
Dimensional stability	EN 1107-1	%	-0.5
	ASTMD 5147-10	%	≤ - 0.5
Static puncture resistance	EN 12730-A	kg	20
Nail tearing resistance	EN 12 310-1	N	240 x 250
Impact resistance	EN 12691-B	mm	1250

## ISO 9001 REFERENCE DOCUMENT

Our products are manufactured by certified ISO 9001 plants	
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## PACKAGING

Rolls quantity per truck pallet	25
Rolls quantity per container pallet	27
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

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 project prEN 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, and RTMDR)
Complementary information	This document 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.