

## PARAFOR SOLO S

### PRODUCT DESCRIPTION AND USES

Waterproofing membrane made with SBS elastomeric bitumen and reinforced with a nonwoven polyester.

This membrane manufactured in roll 1 m wide is type without self-protection because it is not designed to be directly exposed to the external aggressions.

Single layer for system under gravels or inverted system.

First layer of self-protected double ply system or under heavy protection (gravels or concrete slab) or allowed support.

### COMPOSITION

Main surface	Perforated thermofusible film + sand
Blend	Modified SBS elastomeric bitumen
Reinforcement	Nonwoven polyester
Under face	Perforated thermofusible film + sand

### DIMENSIONAL CHARACTERISTICS

Nominal thickness (mm)	4.0
Nominal width (mm)	1000
Roll nominal length (m)	8.00
Area density (kg/m <sup>2</sup> )	5.090
Mass per roll (kg)	40.8

### PERFORMANCES

Test	Standard	Unit	Average value
Tensile strength	EN 12 311-1	N/50 mm	850 x 600
	ASTM D 5147 section 6	kN/m	16.3 x 11.7
Elongation	EN 12 311-1	%	40 x 49
	ASTM D 5147 section 6	%	54 x 66
Nail tearing resistance	EN 12310-1	N	300 x 350
Cold temperature flexibility	EN 1109	°C	-20
	ASTM D 5147 section 11	°C	≤ -20
Heat flow test	EN 1110	°C	100
	ASTM D 5147 section 15	°C	≥ 100
Dimensional stability	EN 1107-1	%	-0.5
	ASTM D 5147 section 15	%	≤ -0.5
Static puncture resistance	EN 12730	kg	20
Fire rating	EN 13501-1	Class	F

## PACKAGING

Rolls quantity per truck pallet	24
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. 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.