

PARAFOR M4S

DESCRIPTION AND SCOPE OF APPLICATION

High performance reinforced SBS elastomeric bitumen single ply membrane for waterproofing works, with scarified selvedge to highly improve the installation (homogenous film burn out, total and well-visible compound melting - automatic check for the operative).

This product is for :

- Roofing works (under heavy protection or self protected membrane)
- Tanking / Basement waterproofing system
- Miscellaneous works

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

COMPOSITION

Main surface	Sanded
Longitudinal overlap surface	Not applicable (N/A)
Blend	Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen
Reinforcement	Non woven polyester 180 g/m ²
Underface	Thermo-fusible film scarified on the selvedge


DIMENSIONAL CHARACTERISTICS

	Nominal value	Critical value
Thickness on the longitudinal selvedge (mm)	(N/A)	(N/A)
Thickness on the main surface (mm)	4.0	3.8
Longitudinal selvedge width (mm)	(N/A)	(N/A)
Weight / m ² (kg/m ²)	4.91	4.66
Weight / roll (kg)	39.3 or 49.1	37.3 or 46.6
Roll length and width (m)	8 x 1 or 10 x 1	7.92 x 0.99 or 9.90 x 0.99

PERFORMANCES

KIND OF TEST	Reference Norm	Units	Nominal values	Critical values
Tensile strength at max	EN 12 311-1	N/50mm	950 x 650	820 x 560
Elongation at max	EN 12 311-1	%	40 X 49	35 x 42
Nail tearing resistance	EN 12 310-1	N	200 x 220	200 x 220
Cold temperature flexibility	EN 1109	°C	≤ - 20	≤ - 15
Heat flow test	EN 1110	°C	≥ 100	≥ 100
Dimensional stability	EN 1107-1	%	≤ - 0.5	
Static puncture resistance	EN 12730	kg	20	
Impact resistance	EN 12691	mm	1250	

ISO 9001 REFERENCE DOCUMENT

. Our company has been awarded the ISO 9001 certificate for all its establishments in France.	
. The French product technical data sheet is the ISO 9001 reference document	

PACKAGING

	8m x 1m	10m x 1m
Rolls quantity per truck pallet	25	20
Rolls quantity per container pallet	27	25
Rolls quantity per wooden box	25	20

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 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.