

## PARAFOR SOLO GFM-2

### DESCRIPTION

Very high performance reinforced SBS elastomeric bitumen membrane self-finished by coloured mineral granules for waterproofing works.

It features the PROFIL SYSTEM (SIPLAST patent), which by the selvedge scarifying, highly improves the installation efficiency (homogenous film burn out, total and well-visible compound melting - automatic check for the operative).

This product is for use as :

Membrane mechanically fixed to the roof deck of a single layer roof waterproofing system for inaccessible roof. Guideline with centimetre scale on the selvedge (PROFIL SYSTEM) makes easy the correct positioning of mechanical fixings. It can be also used for miscellaneous works. In either case, this product must be used in accordance with the relevant technical specifications (Avis Technique).

### COMPOSITION

Main surface	Coloured granules.
Longitudinal overlap surface	Scarified thermo-fusible film with centimetre scale (Profil system).
Blend	Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen with fire-extinguisher component
Reinforcement	Non woven polyester
Underface	Film. This film is scarified on 120 mm opposed side of top surface longitudinal selvedge.

### DIMENSIONAL CHARACTERISTICS

COLOURS	Slate grey 30 and Schist light 1	Others colours
Nominal thickness on the longitudinal selvedge (mm)	4	4
Nominal thickness on the main surface (for information only) (mm)	4,8	5
Longitudinal selvedge nominal width (mm)	120	120
Roll nominal length and width (m)	7x 1	7 x 1
Nominal weight / m <sup>2</sup> (kg/m <sup>2</sup> )	6.03	6.40
Nominal weight / roll (kg)	41.5	43.8

### PERFORMANCES

KIND OF TEST	Reference Norm	Units	Average values
Tensile strength at break	EN 12 311-1: 1999	N/50mm	950 x 650
Elongation at break	EN 12 311-1: 1999	%	40 x 49
Nail tearing resistance	EN 12 310-1	N	250 x 300
Cold temperature flexibility	EN 1109	°C	≤ - 20
Heat flow test	EN 1110	°C	≥ 100
Dimensional stability	EN 1107-1	%	≤ - 0,5
Static puncture resistance	EN 12730	kg	20
Impact resistance	EN 12691	mm	1500
Fire rating	T30.1 (French standard) the test report RS99-O79/B is available on request		

### ISO 9001 REFERENCE DOCUMENT

. Our company has been awarded the ISO 9001 certificate for all its establishments in France.

. The Technical Agreement PARAFOR SOLO FM is the ISO 9001 reference document.



## PACKAGING

COLOURS	Slate grey 30 and Schist light 1	Others colours
Rolls quantity per truck pallet	24	23
Rolls quantity per container pallet	27	25
Rolls quantity per wooden box	25	23

## 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
Complementary information about application	<p>This product is laid partially bonded by mechanical fixings according to its technical agreement.</p> <ul style="list-style-type: none"> <li>. The unrolled product is lined with 120mm overlap, then rolled again, torched at the selvedge during the unrollment and finally fixed to the deck at the opposite selvedge with screws and square washers (SCR 40x40mm). All joints shall be torched.</li> <li>. On Steel Deck, this product is installed on insulation board and perpendicularly to the ribs.</li> <li>. Guideline with a centimetre scale on the selvedge shows the correct positioning of the fixings. The space between fixings depends on the parameters of the building ( weather condition, height, length, width) and the area of the roof (main area, eaves, corners). The method of calculation respect the relevant technical document. The space between fixings is at least 180 mm. When the number of fixings is &gt; 6,3 per Sqm, a mechanically fixed underlay must be installed complementary.</li> <li>. Next to the upstand, the space between fixings is 250 mm and the fixings are placed at 40 mm of the upstand. The reinforcement angle sheet is torched and overlaps the fixings at least 40 mm.</li> </ul>
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	<p>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.</p> <p>The nominal value tolerances comply with the UEAtc standards.</p> <p>Some slight variations can be noticed as the values are based on the average values obtained from several plants.</p>
Application	The information about purpose and methods of application of the product does not prevail against local regulation and practices if accepted by our company. In case of doubt, do not hesitate to contact our Technical Department.
Modification(s)	Siplast 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.
Customs tariff	680710100000A
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	<p>This product is packaged in rolls set up vertically on pallet or wooden box.</p> <p>It must be stored vertically under shelter, away from heat sources.</p>