PARAFOR SOLO GS

Product Description and uses

High performance reinforced SBS elastomeric bitumen membrane.
This membrane is used in a single layer torch applied waterproofing system for not accessible roof and technical roofs. It can be also used as top layer of a 2 layers torch applied waterproofing system for not accessible roof and technical roofs.

The back surface is designed with *Profil System* (SIPLAST patented), which highly improves the installation efficiency (homogenous film burn out, total and well-visible compound melting - automatic check for the operator), thanks to the surface grooving and selvedge scarifying.

This product is designed for new works and refurbishment works on approved substrates. It can be also used for vertical upstands waterproofing and miscellaneous works.

Product Approvals:

Parafor Solo GS is approved by CSTB (Parafor Solo Document Technique d'Application for use in Siplast insulated and non-insulated concrete roof deck and wooden deck constructions, and insulated steel deck roofs, as torch applied, single layer, built-up roof waterproofing system on flat and pitched roofs.

FM Approval: Parafor Solo GS is approved by FM Approvals (FM Standard 4470) for use in Siplast Class 1 insulated steel roof deck constructions, subject to FM conditions and limitations.

Composition

Top surfacing: mineral granules or mineral slates
Bitumen compound: SBS (Styrene-Butadiene-Styrene) elastomeric bitumen
Reinforcement: Polyester 180 gr/m2
Back surfacing: Profil System structured Thermo-fusible film

Dimensions

Nominal Values	**Mineral Granules**	**Mineral Slates**
Thickness on longitudinal selvedge (mm)	4.0	4.0
Thickness main surface (mm)	5.0	4.8
Roll length and width (m)	7 x 1	7 x 1

Packaging

	Granules	**Slates**
Rolls per truck pallet	24	24
Rolls per container pallet	25	27
Rolls per wooden box	23	24
Nominal weight (kg/m²)	6.2	5.8
Roll weight (kg)	42.5	40.2

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

Parafor Solo GS

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	850 x 600
Elongation at max	EN 12 311-1	%	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
Shear joint resistance	EN 12317-1	N/50mm	600 x 900
Static Puncture resistance (soft substrate)	EN 12730 A	kg	20
Impact resistance (soft substrate)	EN 12691 B	mm	1500
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	16.3 x 11.7
Elongation at max	ASTM D 5147 section 6	%	54 x 66
Cold temperature flexibility	ASTM D 5147 section 11	°C	≤ - 20
Heat flow test	ASTM D 5147 section 15	°C	≥ 100
Dimensional stability	ASTM D 5147 section 10	%	≤ - 0.3

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Société par Actions Simplifiées
au capital de 5 729 600 €

Other 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, et RTMDR)
Divers	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.

Generalities

Using	New works and refurbishment works for exposed roofs.
Application	Torch applied over allowed substrates.
Substrates	Directly over concrete in combination with Perfader to allow partial bonding and cope with concrete substrates movements. Over wooden substrates in combination with SCR Alliance underlay mechanically fixed. Over insulated steel deck roofs.
Insulation substrates	Mineral wool and Glass Fibre with bitumen surfacing. PIR and EPS using Adepar JS as first protection layer. Cellular Glass with bitumen surfacing. Perlite board with bitumen surfacing.
Overlaps	90 mm on side lap 150 mm head lap Head Laps are torched after mineral surfacing is removed by heating and sinking it into the bitumen.
Slopes	Minimal allowed slope is: 3% over steel deck roof. 1% over concrete roof deck, apart from tropical regions where it is 2%. 3% over wooden roof deck. In case of slope > 100% 4 mechanical fixations are needed along head laps.
Upstands	Torch applied using Parequerre strip or Paradiene 35 SR4 base layer torch applied over approved substrate.

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