

## Product Technical Information

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# THERMOSOLO GS

### Product Description and uses

High performance Modified SBS elastomeric bituminous membrane.

This membrane is used in a single layer heat-activating adhesive waterproofing system for parkings. Can also be used for roofs under heavy protection, inverted roofs and exposed roofs.

This product is designed with a special adhesive pattern on bottom surface to enable free movement of vapour and to facilitate partial bonding.

This product is designed for new works and refurbishment works on approved substrates.

### Product Approval

ETN SOCOTEC technical approval .

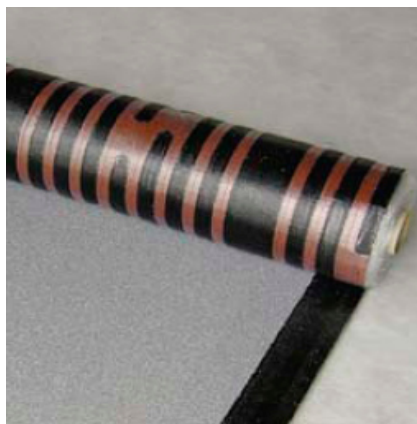
### Composition

Top surfacing: mineral slates

Bitumen compound: SBS (Styrene-Butadiene-Styrene) elastomeric bitumen

Reinforcement: 180 gr/m<sup>2</sup> polyester stabilised with glass fiber

Back surfacing: thermo-adhesive edges and strips, protected by polyethylene 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
longitudinal selvedge width (mm)(1)	90	90
Roll length and width (m)	7 x 1	7 x 1

### Packaging

	Granules	Slates
Rolls per truck pallet	20	20
Rolls per container pallet	20	20
Rolls per wooden box	20	20
Nominal weight (kg/m <sup>2</sup> )	6.75	6.4
Roll weight (kg)	47.5	45.2

## 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



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## Thermosolo 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
Cold temperature flexibility	EN 1109	°C	≤ - 20
Heat flow test	EN 1110	°C	≥ 100
Dimensional stability	EN 1107-1	%	≤ - 0.3
Static puncture resistance	EN 12730	kg	20
Impact resistance	EN 12691	mm	2000
Shear joint resistance (side lap x head lap)	EN 12317-1	N/50mm	600 x 900
Impact resistance (soft substrate)	EN 12691-B	mm	2000
Waterproofing	EN 1928	-	Pass

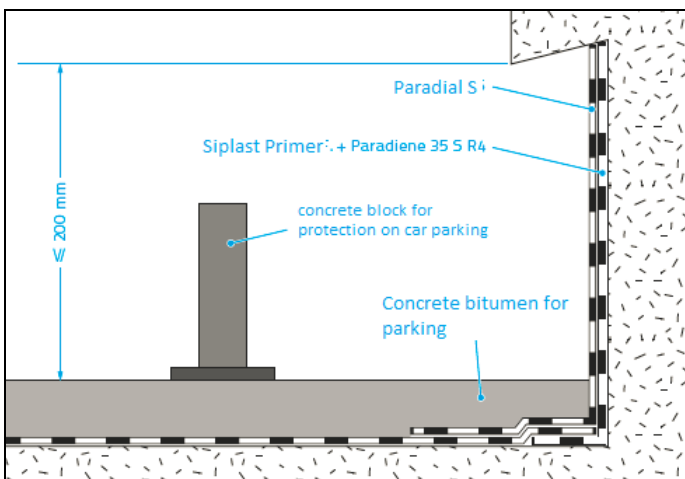
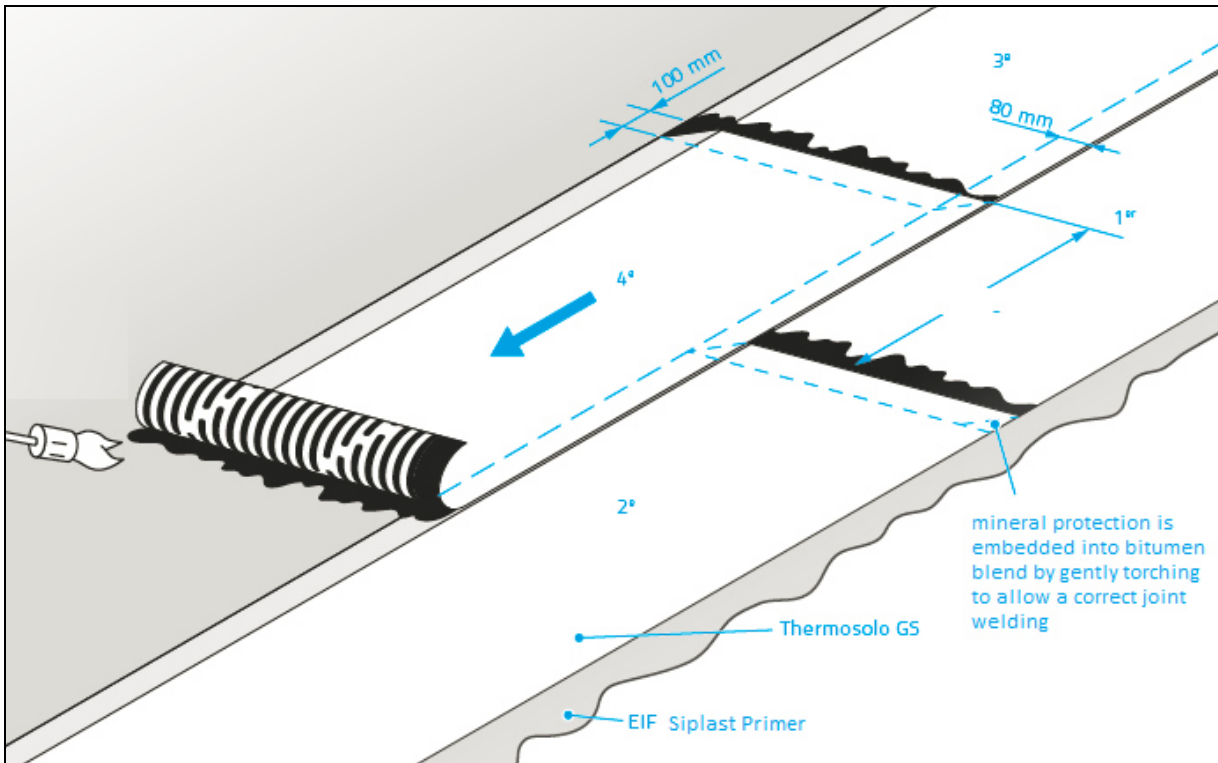
**According with ASTM D 5147**

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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## Typical Design and applications



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**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.
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**

Application	Over concrete substrate previously primed with Siplast Primer 0.3lt/m2
Upstands	2-layer systems torch applied using Paradiene 35 SR4 as base layer and Paradiel S as top layer.
Slopes	Parking: from 2% to 5% Roofs under protection, inverted roofs, exposed roofs: >1%
Protection for parkings	Concrete bitumen , macadam 70mm minimum