

THERMOSOLO GS

PRODUCT DESCRIPTION AND USES

Thermosolo GS is a high performance modified SBS elastomeric bituminous membrane. This product is designed with a special adhesive pattern on bottom surface to enable free movement of vapour and to facilitate partial bonding.



This membrane is used in a single layer heat-activating adhesive waterproofing system for parkings. It can also be used for roofs under heavy protection, inverted roofs and exposed roofs. This product is designed for new works and refurbishment works on approved substrates.

COMPOSITION

Surface	Mineral slates
Blend	Modified SBS elastomeric bitumen
Reinforcement	Nonwoven polyester
Under face	Thermo-adhesive edges and strips protected by polyethylene film

DIMENSIONAL CHARACTERISTICS

Longitudinal selvedge nominal thickness (mm)	3.5
Adhesive nominal thickness (mm)	0.8
Nominal thickness (mm) (for information only)	5
Nominal width (mm)	1000
Longitudinal selvedge nominal width (mm)	90
Roll nominal length (m)	10
Area density (kg/m ²)	6.4
Mass per roll (kg)	45.2

PERFORMANCES

Test	Standard	Unit	Average value
Tensile strength	EN 12311-1	N/50 mm	740 x 540
	ASTM D 5147-6	kN/m	18 x 12,6
Elongation at break	EN 12311-1	%	40 x 49
	ASTM D 5147-6	%	54 x 66
Cold temperature flexibility	EN 1109	°C	- 20
	ASTM D 5147-11	°C	≤ - 20
Heat flow test	EN 1110	°C	100
	ASTM D 5147-15	°C	≥ 100
Dimensional stability	EN 1107-1	%	- 0,3
	ASTM D 5147-15	%	≤ - 0,3
Static puncture resistance (soft support)	EN 12730-A	kg	20
Impact resistance (soft support)	EN 12691	mm	2000
Shear joint resistance	EN 12317-1	N/50 mm	600 x 900
Waterproofing	EN 1928		Pass

PACKAGING

Rolls quantity per truck pallet	16
Rolls quantity per container pallet	
Rolls quantity per wooden box	

GENERALITIES ABOUT APPLICATION

Application	Over concrete substrate previously primed with Siplast Primer 0.3 L/m ²
Upstands	2-layer systems torch applied using Paradiene 35 SR4 as base layer and Paradiadial S or Verinox S as top layer.
Slopes	<ul style="list-style-type: none"> ➤ Parking: from 2% to 5% ➤ Roofs under protection, inverted roofs, exposed roofs: > 2%
Protection for parking	Concrete bitumen, macadam 70 mm minimum

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.