

Product Technical Information

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PARADIAL S

Product Description and uses

This product is a reinforced elastomeric bitumen sheet with a thermo stable embossed metal foil facing with expansion compensation system

It is used as cap-sheet layer for vertical upstands waterproofing works and in a two-layer system for not accessible roof.

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

Product Approvals:

Paradial S is approved by CSTB (Vermetal Document Technique d'Application) for use in Siplast insulated or non insulated concrete and wooden deck constructions and insulated steel roof deck constructions as a fully bonded, two layer, built-up roof waterproofing system on flat and pitched roofs.

Composition

Top surfacing: Embossed aluminium foil.

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

Reinforcement: Glass grid and glass mat

Back surfacing: PE film



Dimensions

Value	Nominal
Thickness on longitudinal selvedge (mm)	3.7
Thickness main surface (mm)	3.7
Roll length and width (m)	8 x 1 or 6 x 1

Packaging

	8 x 1	6 x 1
Rolls per truck pallet	24	35
Rolls per container pallet	30	39
Rolls per wooden box	28	36
Nominal weight (kg/m ²)	4.1	4.1

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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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	900 x 900
Elongation at max	EN 12 311-1	%	3.5 x 3.5
Nail tearing	EN 12310-1	N	200 x 300
Cold temperature flexibility	EN 1109	°C	≤ - 15
Heat flow test	EN 1110	°C	≥ 100
Dimensional stability	EN 1108	mm / m	≤ 2
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	14.6 x 14.6
Elongation at max	ASTM D 5147 section 6	%	5.3 x 5.3
Cold temperature flexibility	ASTM D 5147 section 11	°C	≤ - 15
Heat flow test	ASTM D 5147 section 15	°C	≥ 100

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Other informations

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	Non accessible insulated and non-insulated roofs.
Application	Fully torched over Siplast approved 1 st layer.
Substrates	Concrete, wood, mineral wool and perlite insulation
Overlaps	Side-laps 70mm Head-laps 100mm
Slopes	3% minimum slope on all type of substrate. From 3% to 20% slope no additional fixations required. From 20 % to 100% 4mechanical fixations required along head laps with 40x40mm SCR Alliance plates and suitable screws. The roll length is reduced to maximum 5m. With slpe > 100% 4 mechanical fixations required along head laps with 40x40mm SCR Alliance plates and suitable screws. The roll length is reduced to maximum 2,5m.