

SIGMAPLAST P 250 – 4 mm

-10°C



THE PRODUCTS

SIGMAPLAST P 250 is a plastomeric membrane obtained from distilled asphalt modified with plastomeric polymers (APP).

SIGMAPLAST P is reinforced with “non woven” spunbond polyester heavy-weight 250 g/m².

USES

SIGMAPLAST P 250 waterproofing membrane is suitable for use in applications on various roof types, whether they are insulated or not, especially those which are subject to high levels of stress such as tensile structures or metal profile decks.

FINISHES

Upper surface

SIGMAPLAST P 250 membrane is embossed with a pattern of small squares and are available with fine grain quartz finish, to ensure that the roll unrolls correctly.

Lower surface

SIGMAPLAST p 250 membrane has a polyethylene torch off heat sensitive film which prevents the roll sticking together and to ensure that the roll unrolls correctly.

This surface is again embossed with a pattern of small squares to help the polyethylene torch off film to melt quickly and allow gases to escape, it also acts as a temperature indicator to show that the compound has reached the correct fusion temperature.

PACKAGING

The top tape indicates the product type, and the lower tape the weight or thickness of the product. The rolls are supplied on wooden pallets and are held in position by a protective heat shrunk polythene covering. Each pallet has two control tickets which enable the laboratory to readily identify the characteristics of the product.

TOOL REQUIREMENTS

For the correct installation of **SIGMAPLAST P 250** type membranes, all that is required is a propane gas roofing torch complete with gas bottle reduction valve and least 10 m of approved type hose, a round nosed trowel or spatula, a utility knife, and a pair of gloves.

INSTALLATION

The surface where material is to be installed must be smooth, clean, dry and treated, if required, with primer. **SIGMAPLAST P 250** membrane is unrolled and laid out on the dry primer coating, which will enhance the adhesion to the deck. It is then aligned before being rolled up again. The membrane is then slowly unrolled while the lower surface is heated using the propane gas roofing torch. Side laps must be at least 80 mm and end laps 150 mm.

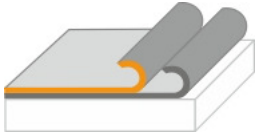
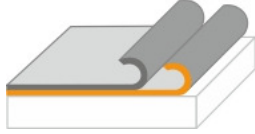
SIGMAPLAST P 250					
Thickness mm	Weight Kg/m ²	Lenght. m	Width m	Rolls x plt	m ² x plt
4	/	10	1	20	200

SIGMAPLAST P 250 – 4 mm

-10°C

Characteristics	Norms	U.M.	Test results
			SIGMAPLAST P 250
Softening point R&B	ASTM-D36	°C	≥ 150
Penetration at 25 °C	ASTM-D5	dmm	15 ÷ 25
Compound	/	/	BPP - Plastomeric bitumen
Reinforcement type	/	/	High weight spunbond polyester 250 g/m2
Upper surfacing	/	/	Sand
Lower surfacing	/	/	Film PE
Type of application	/	/	SS - Underlayer / Sf - Top layer
Thickness	ASTM-D5147	mm	≥ 4
Tensile properties	ASTM-D5147	N/50 mm	≥ 1000 (20 kN/m)
-maximum longitudinal tensile strength		N/50 mm	≥ 800 (20 kN/m)
-maximum transversal tensile strength		%	≥ 45
- longitudinal elongation		%	≥ 50
Lap joint strength a 23 °C	ASTM-D5147	N/5 cm	same as membrane
Puncture resistance	ASTM-E154	N	1200
Resistance to impact	EN 12691	mm	1750
Resistance to static loading	EN 12730	kg	25
Resistance to tearing (nail shank)	ASTM-D5147 (ASTM-D4073)	N	≥ 700
- longitudinal			≥ 700
- transversal			
Dimensional stability	ASTM-D5147	%	≤ 0,5
Low temperature flexibility	ASTM-D5147	°C	- 6 ÷ - 10
Heat resistance	ASTM-D5147	°C	at 120 - No flow
Water absorption % Wt at 23°C / 24 hrs	ASTM-D5147	%	< 0,2
Water vapour transmission properties	EN 1297	-	μ = 20.000
Hydrostatic Head resistance	ASTM-D5383 (EN 1928 - B)	m	70

Rev-01/17

TYPE APPLICATION – CE MARK	
	
<p>SF – Top layer EN 13707</p>	<p>SS – Underlayer EN 13707</p>

TECHNONICOL ITALIA srl reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning.

All indications in this specification sheet are based upon our experience and current working practices.

TECHNONICOL ITALIA s.r.l.
Via Galoppat, 134 – 33087
Pasio di Pordenone (PN), Italia
P.IVA 01745250934 - REA PN - 101202
Tel.: 0434-614611, Fax: 0434-628178
www.technicol.it, info@technicol.it