

Paraplast 'S'

3mm AND 4 mm SMOOTH SANDED UPPER FACE & GRANULAR SLATE (GS) CAPPING SHEET

Icopal Paraplast 3 mm and 4 mm is a high performance polyester reinforced APP (Atatic polypropylene) modified plastomeric bitumen waterproofing membrane which is designed with excellent ageing resistance, high elasticity, excellent resistance to thermal shock, UV resistance and dimensional stability properties which is designed for waterproofing protection of structures for 10 years.

Icopal Paraplast GS is impregnated with a granular slate chips during the manufacturing process on the upper face of the waterproofing membrane. The granular slate chips offer an aesthetically pleasing surface finish that does not require a solar reflective coating application. Icopal Paraplast GS is available in grey granular slate chips.

SCOPE OF APPLICATION

Icopal Paraplast is suitable for waterproofing the following:

- Low pitched concrete roof decks
- Low pitched timber roof boards
- Below grade foundation waterproofing
- Prefabricated concrete
- Reinforced concrete decks
- Prefabricated concrete
- Metal decks
- Timber roof boards
- Waterproofing decks under protection of pavers
- Renovation of decks
- Decks with and without thermal insulation

PROPERTIES

Icopal Paraplast has a sand finish which is distributed evenly on the upper face to assist with ease of unrolling of the Paraplast. The underside is embossed (small squares) on the underside of the membrane with to assist with the rapid burn off the flamina which indicates the correct melting point during the torch application to ensure adequate bonding onto the substrate.

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COMPOSITION

Upper face	Sand
Longitudinal overlap surface	Not applicable
Distilled bitumen modification	Atatic polypropylene plastomeric bitumen
Reinforcement type	Non-woven polyester
Under face	Thermo-fusible

DIMENSIONAL CHARACTERISTICS

Nominal thickness on the main membrane (mm)	4.0 ± 0.2
Roll nominal length and width (m)	10 x 1



TECHNICAL DATA	Reference Norm	Units	Average
Tensile strength	EN 12 311-1	N/50mm	800 x 600
	ASTM D 5147 Section 6	Kn.m	15.4 x 11.7
Elongation at max	EN 12 311-1	%	40 x 45
	ASTM 5147 Section 6	%	54 x 60.7
Nail tearing test	EN 12 310-1	N	200 x 250
Heat flow test	EN 1110 ASTM D Section 15	°C	≥ 120
Dimensional stability	EN 1107-1 ASTM 5147 Section 10	%	± 0.5
Static puncture resistance	EN 12730	kg	≥ 15
Water-tightness	EN 1928	kPa	60
Reaction to fire	EN 13501-1	-	E
Cold temperature flexibility	EN 1109 ASTM 5147 Section 11	°C	≤ -5

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APPLICATION

Icopal Paraplast should always be used as a multi-layer system consisting of Paraplast 3 mm & Paraplast 4 mm when waterproofing all types of roof decks. Icopal Paraplast is not recommended to be applied as a loose laid application or spot bonded application method.

Paraplast GS is always used as a capping sheet as the top layer of a multi-layer system.

ISO 9001

Siplast is a certified ISO 9001 compliant company.

Siplast has been awarded the Bureau Veritas Certification.



IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst Icopal endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because Icopal has no direct or continuous control over the where and how Icopal products are applied – accept any liability either directly or indirectly arising from the use of Icopal products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

TECHNICAL ADVICE

Consult Icopal South Africa for additional information on your waterproofing project.