

# Paradial 'S'

## PARADIAL 'S' ALUMINIUM FOIL

A torch applied composite reinforced elastomeric SBS modified bitumen waterproofing capping sheet with a thermo-stable embossed metal foil facing with expansion compensation system. It is designed specifically as a cap-sheet layer for vertical upstand waterproofing applications and as a two-layer system for none accessible roof areas.

### BENEFITS

- High resistance to thermal shock due to the embossed design of the metal foil "built-in movement joints"
- High resistance to cracking and puncture resistance
- A large number of metal foil facings available including aluminium, copper, stainless steel & white
- Excellent fire rating
- High tensile strength

### PROPERTIES

Icopal Paradial has a sand finish which is distributed evenly on the upper face to assist with ease of unrolling of the Paradial. 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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### PRODUCT DATA

<b>Material</b>	Styrene Butadiene Styrene with metal foil
<b>Reinforcement / weight (kg)</b>	Composite glass grid and glass mat / 34 (used in conjunction with Paradiene SR4 Film/Gres as base layer)
<b>Roll length (m)</b>	8
<b>Roll width (m)</b>	1
<b>Thickness (mm)</b>	3.7



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 Paradial is used in conjunction with Paradiene SR4 Film/Gres as base layer when waterproofing all types of roof decks. Icopal Paradial is not recommended to be applied as a loose laid application or spot bonded application method.

Paradial 'S' Aluminium Foil 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.