SOPRA-ISO BLUE

INSULATION

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-100-SOPRA-ISO BLUE

DESCRIPTION

SOPRA-ISO BLUE is a high performance thermal insulation board, composed of closed-cell polyisocyanurate (PIR) foam. It is laminated on both sides with a textured aluminium facer, providing great fire resistance. The blue upper-facing provides a glare free surface, easing the installation process.

SOPRA-ISO BLUE has amongst the highest thermal values of the rigid board insulation products, giving buildings continued thermal efficiency throughout their life span.

SOPRA-ISO BLUE is mainly used as thermal insulation for SOPREMA bitumen, PVC and TPO roofing systems. It has a light weight closed cell foam core which makes it easy to handle and allows fast fixing to any application.

- Compliance with AS/NZS 4859.1
- Superior thermal performance
- Superior compressive strength
- Great fire resistance
- Glare free installation

FIELD OF APPLICATION

SOPRA-ISO BLUE is recommended for roofs and decks, protected against weathering by waterproofing membranes, with high pressure resistance.

INSTALLATION PROCEDURE

APPLICATION:

SOPRA-ISO BLUE boards are mechanically fastened with screws and stress plates. The waterproofing membrane system can be loose-laid under ballast, mechanically fastened, or self-adhered.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	SOPRA-ISO BLUE
Board thickness	50, 60, 70, 80, 90, 100mm
Board dimensions	2400 mm x 1200 mm
Edge finishing	Straight edge
Board finishing	Aluminium on both sides
Colour	Blue upper facing / Silver under facing

PRODUCT R VALUE

THICKNESS	R VALUE
50 mm	R_d 2.35 m²K/W
60 mm	R_d 2.85 m²K/W
70 mm	R_d 3.30 m²K/W
80 mm	R_d 4.00 m²K/W
90 mm	R_d 4.50 m²K/W
100 mm	R_d 4.85 m²K/W

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Red List Free

Declare.

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PROPERTIES

PROPERTIES	TEST METHOD	SOPRA-ISO BLUE
Designation	-	Rigid polyisocyanurate (PIR) foam
Density	ASTM D1622	34 kg/m³ +/- 5%
Thermal conductivity (λ value)		
50 mm - 70 mm	AS 4859.1	0.021 W/m·K
80 mm - 90 mm		0.020 W/m·K
100 mm		0.021 W/m·K
Compressive strength at 10% deformation		
Measured parallel to rise	AS 2498.3	≥ 160 kPa
Measured perpendicular to rise		≥ 100 kPa
Rate of water vapour transmission measured parallel to rise at 38°C	AS 2498.5	≤ 2300 ug/m²s
Dimensional stability of length, width, and thickness after 20 h: at –10°C at 70°C and 95 ± 5 r.h	AS 2498.6	≤ 1 % ≤ 3 %
Closed cell content (uncorrected)	AS 2498.7	90%
Determination ignitability, flame spread, heat release and smoke release: Ignitability Index Flame Spread Index Heat Release Index Smoke Release Index	AS 1530.3	 0 0 0 1

STORAGE AND HANDLING

Do not throw, use shockproof transport. Must be stored in a dry condition and protected from direct weathering.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.