SOPRA-ISO BLACK

INSULATION

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-115-SOPRA-ISO BLACK

DESCRIPTION

SOPRA-ISO BLACK is a high performance thermal insulation board. It is composed of closed-cell polyisocyanurate (PIR) foam laminated on both sides with a fiberglass facer providing great fire resistance.

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

SOPRA-ISO BLACK 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.

- Superior thermal performance
- Superior compressive strength
- Great dimensional stability
- Great fire resistance

FIELD OF APPLICATION

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

INSTALLATION PROCEDURE

APPLICATION:

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

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

PACKAGING

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

PRODUCT R VALUE

THICKNESS	R VALUE
50 mm	R 2.22 m²K/W
60 mm	R 2.66 m²K/W
70 mm	R 3.11 m²K/W
80 mm	R 3.56 m²K/W
90 mm	R 4.00 m²K/W
100 mm	R 4.44 m²K/W

SOPRA-ISO BLACK

INSULATION

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-115-SOPRA-ISO BLACK

PROPERTIES

PROPERTIES	TEST METHOD	SOPRA-ISO BLACK
Designation	-	Rigid polyisocyanurate (PIR) foam
Density	ASTM D1622	34 kg/m³ +/- 5%
Thermal conductivity (λ value)		
50 mm to 100 mm	AS 4859.1	0.022 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 Flame Spread Index Smoke Release Index	AS 1530.3	 0 3

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.