

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

SOPRA-ISO is a rigid polyisocyanurate thermal insulation panel for use in approved multi-ply membrane and flashing assemblies. SOPRA-ISO is composed of closed cell polyisocyanurate foam bonded to fiber reinforced/organic mat facers on the top and underside.

### STORAGE

Store panels flat and maintain in a horizontal position to prevent damage. Store panels in a clean dry location and cover as necessary to protect from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SOPRA-ISO.

### APPLICATION

Prior to installation, ensure all SOPRA-ISO panels have not been subject to moisture. Place SOPRA-ISO in an offset or staggered pattern to ensure board joints are not overlapping in multilayer assemblies. Apply to approved substrate via DUOTACK adhesive following manufacturer specifications. SOPRA-ISO may also be mechanically fastened to approved substrates. Refer to the SOPREMA SBS Roofing Guide for additional application guidelines.



#### QUICK FACTS

BOARD DIMENSIONS (ft)	BOARD THICKNESS (in)	AVAILABLE PSI
4x4, 4x8 (1.2x1.2m, 1.2x2.4m)	1-4 (25-102 mm)	20, 25



TECHNICAL INFORMATION & TESTING

**SOPRA-ISO THERMAL VALUES**

THICKNESS, in	WEIGHT BY 100ft <sup>2</sup> , lb	LTR (R VALUE)	FLUTE SPANABILITY
1.0	17	5.7	2 5/8"
1.5	25	8.6	4 5/8"
2.0	34	11.4	4 5/8"
2.2	37	12.6	4 5/8"
2.5	40	14.4	4 5/8"
2.6	42	15.0	4 5/8"
3.0	48	17.4	4 5/8"
3.5	59	20.5	4 5/8"
4.0	67	23.6	4 5/8"

\* Data is represented by average values, unless noted otherwise.

**PHYSICAL PROPERTIES**

PROPERTY		ASTM TEST
Compressive Strength, psi	20 (Grade 2)*	ASTM D 1621
Dimensional Stability, %	<2	ASTM D 2126
Vapor Transmission, perm	<1.5	ASTM E 96
Water Absorption, %	<1.5	ASTM C 209
Flame Spread	<75	ASTM E 84
Smoke Developed	<450	ASTM E 84
Service Temp, °F	-40 - 250	-

\* ASTM C 1289 Type II, Class 1 Grade 2 (20 psi) or Grade 3 (25 psi)

TESTING & APPROVALS

