

SOPRA-ISO[®] PLUS TAPERED

Rigid Polyisocyanurate Thermal Insulation Panel

PRODUCT DATA SHEET PDS10308 - REV 230929



APPLICATIONS

ROOFING

PRODUCT NUMBERS:

For ordering information contact customer service.

DESCRIPTION & FEATURES:

SOPRA-ISO PLUS TAPERED is a rigid polyisocyanurate thermal insulation board used in approved multi-ply membrane assemblies. **SOPRA-ISO PLUS TAPERED** comprises a closed-cell polyisocyanurate foam core bonded to polymer-coated glass fiber-reinforced facers. **SOPRA-ISO PLUS TAPERED** is designed to promote positive drainage and prevent ponding water.

- Available in two grades of compressive strengths per ASTM C1289 Type II, Class 1 Grade 2 (20 psi) or Grade 3 (25 psi)
- Available slopes are 1/16 in (2 mm), 1/8 in (3 mm), 3/16 in (5 mm), 1/4 in (6 mm), 3/8 in (10 mm) and 1/2 in (13 mm) per foot
- Available in 4 ft x 4 ft (1.2 m x 1.2 m) and 4 ft x 8 ft (1.2 m x 2.4 m) panels in thicknesses of 1 in (25.4 mm) to 4.0 in (101.6 mm)
- Has the highest R-value per inch compared to any other type of non-polyiso insulation of equivalent thickness
- Lightweight and easy to handle, can be cut with a utility knife or saw
- Compatible with most construction adhesives, roof and wall coverings and attachment systems
- Manufactured using CFC-free, HCFC-free, and HFC-free foam blowing technology with zero ozone depletion potential (ODP) and virtually no global warming potential (GWP)

APPLICATION:



URETHANE
ADHESIVE



MECHANICALLY
FASTENED



HOT
ASPHALT

Prior to installation, ensure all **SOPRA-ISO PLUS TAPERED** panels have not been subject to moisture. Butt edges and stagger joints of adjacent panels. Secure boards to substrate using mechanical fasteners, insulation adhesive or hot asphalt. For approvals and listings to meet project-specific wind rating requirements, contact SOPREMA.

Refer to the SOPREMA Low-Slope Roofing Insulation Technical Manual for complete application guidelines.

STORAGE:

Store board flat on a raised pallet to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. The factory packaging is intended for the protection of the boards during transit and is not intended for job site protection. When product is stored outdoors, the plastic shroud must be slit and the insulation protected by a waterproof, breathable covering such as a tarpaulin.

LIMITATIONS:

Do not apply flame directly to **SOPRA-ISO PLUS TAPERED** when installing a torch-applied modified bitumen system. This product will burn if exposed to an ignition source of sufficient heat and intensity.

DO NOT LEAVE EXPOSED. Install only as much **SOPRA-ISO PLUS TAPERED** as can be covered in the same day.



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TESTING & APPROVALS:



WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

SUSTAINABILITY:



RECYCLED CONTENT	OZONE DEPLETION POTENTIAL (ODP)	ENVIRONMENTAL PRODUCT DATA (EPD)*	HEALTH PRODUCT DECLARATION (HPD)*
Varies with thickness, refer to LEED product sheet	0	Yes	No

* EPD and HPD sheets are available at soprema.us

TAPERED 4 FT X 4 FT PROFILES

SLOPE (inches)	PANEL LABEL	NOMINAL THICKNESS (inches)	PIECES PER BUNDLE
1/16	1	0.5 - 0.75	76
	2	0.75 - 1.0	54
	3	1.0 - 1.25	42
	4	1.25 - 1.5	34
	5	1.5 - 1.75	29
	6	1.75 - 2.0	24
	7	2.0 - 2.25	22
	8	2.25 - 2.5	20
1/8	AA	0.5 - 1.0	64
	A	1.0 - 1.5	38
	B	1.5 - 2.0	26
	C	2.0 - 2.5	20
	D	2.5 - 3.0	16
	E	3.0 - 3.5	14
	F	3.5 - 4.0	12
	FF	4.0 - 4.5	10
3/16	JJ	0.5 - 1.25	52
	KK	1.25 - 2.0	28
	LL	2.0 - 2.75	20
	MM	2.75 - 3.5	14
	J	1.0 - 1.75	34
	K	1.75 - 2.5	22
	L	2.5 - 3.25	16
	M	3.25 - 4.0	12
1/4	X	0.5 - 1.5	48
	Y	1.5 - 2.5	24
	Z	2.5 - 3.5	16
	ZZ	3.5 - 4.5	12
	GG	0 - 1.0	76
	G	1.0 - 2.0	32
	H	2.0 - 3.0	18
	I	3.0 - 4.0	12
3/8	SS	0.5 - 2.0	38
	TT	2.0 - 3.5	16
	S	1.0 - 2.5	26
	T	2.5 - 4.0	14
1/2	P	0 - 2.0	42
	PP	2.0 - 4.0	16
	Q	0.5 - 2.5	32
	QQ	2.5 - 4.5	12
	XX	1.0 - 3.0	24



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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	VALUE
Material	Closed-cell polyisocyanurate foam
ASTM	C1289, Type II Class 1
Surfacing	Organic facers reinforced with glass fibers
Width, ft (m)	4 (1.2)
Length, ft (m)	4 (1.2), 8 (2.4)*
Thickness, in (mm)	1 - 4.0 (25.2 - 101.6)
Slope, in/ft (mm/ft)	1/16 (2), 1/8 (3), 3/16 (5), 1/4 (6), 3/8 (10), 1/2 (13)

* 4 ft x 8 ft boards are available upon request.

PHYSICAL PROPERTIES*		
PROPERTY	VALUE	ASTM
Compressive strength, psi (kPa)	Grade 2 - 20 (140) Grade 3 - 25 (172)	D1621
Tensile strength, psf (kPa)	> 730 (35)	D1623
Density, lb/ft³ (kg/m³)	2.0 (32)	D1622
Linear dimensional stability, %	< 0.5	D2126
Water absorption, %	< 1.5, < 3.5	C209 / D2842
Flame spread, core**	40 - 60	E84
Service temperature, °F (°C)	-100 to 250 (-73 to 122)	-

* Data is represented by average values, unless noted otherwise

** The numerical ratings as determined by ASTM Test Method E84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.