



INSULATION

SOPRA-XPS

THERMAL INSULATION PANELS COMPOSED OF EXTRUDED POLYSTYRENE

A STRONG AND VERSATILE INSULATION

SOPRA-XPS is a line of thermal insulation panels composed of extruded polystyrene. They are multipurpose, made of closed-cell foam and mainly used as thermal insulation for walls, foundations and inverted roofs. They can also be used in civil engineering applications, such as under roads and airport runways.

WATER RESISTANCE

SOPRA-XPS has outstanding resistance to water and moisture thanks to its dense closed-cell composition. It is designed to perform in all applications, even in areas exposed to moisture, such as below-grade walls and inverted roofs. It adapts to temperature changes in winter climates and freeze-thaw cycles. Even when exposed to moisture, SOPRA-XPS is mould and bacteria resistant.

THERMAL RESISTANCE AND CONSISTENCY

SOPRA-XPS has a consistent long term R-value (LTTR) of 5 per inch even at low temperatures. Therefore, it maintains its thermal and mechanical performance throughout the life of the building.

DURABILITY AND PERFORMANCE

Thanks to its homogeneous nature and its closed-cell composition, SOPRA-XPS offers one of the greatest compression strengths in the market, both for heavy and dynamic loads.

STRENGTH AND VERSATILITY

Rigid and resistant, it is compatible with several types of applications. It is easy to cut, clean and dust free. Lightweight and easy to install, SOPRA-XPS is available in different sizes and compressive strengths to meet all needs.

AIR LEAKAGE REDUCTION

The homogeneous closed cell composition of SOPRA-XPS prevents large gaps in the insulation, and this in turn prevents any uncontrolled movement of air through the assemblies.

ENERGETIC EFFICIENCY

Energy loss caused by air leaks from a poorly insulated building can represent a high percentage of heating and cooling costs. In summer and winter, SOPRA-XPS helps regulate the temperature inside a building over a long period, since it maintains its thermal performance throughout the life of the building.



EXTRUDED POLYSTYRENE FOAM (XPS) INSULATING PANELS

PRODUCT NAME	USES	AVAILABLE SIZES	AVAILABLE THICKNESSES	MIN. COMPRESSIVE STRENGTH	TYPE ACCORDING TO CAN/ULC S701.1
SOPRA-XPS 20 (with shiplap edges)	SOPRA-XPS 20 with shiplap edges is designed for the insulation of above-grade exterior walls.	2 × 8 ft, 4 × 8 ft, and 4 × 9 ft (610 × 2 438 mm, 1 219 × 2 438 mm, and 1 219 × 2 743 mm)	2 × 8 ft: 1, 1.5, 2, and 3 in (25, 38, 51, and 76 mm) 4 × 8 ft: 1, 1.5, 2, 3, and 4 in (25, 38, 51, 76, and 102 mm) 4 × 9 ft: 1, 1.5, and 2 in (25, 38, and 51 mm)	138 kPa (20 psi)	3
SOPRA-XPS 20 (with grooved edges)	SOPRA-XPS 20 with grooved edges is perfect for the insulation of above-grade exterior walls and on the inside of foundation walls. The grooved edges are specially designed to accommodate 1 × 3 inch wood furring.	2 × 8 ft (610 × 2 438 mm)	1.5 and 2 in (38 and 51 mm)	138 kPa (20 psi)	3
SOPRA-XPS 25 CW (with square/butt edges)	SOPRA-XPS 25 CW is ideal for the insulation of cavity walls. Thanks to its convenient sizes and thicknesses, it fits perfectly between wall ties.	3.9 × 7.9 ft (1 200 × 2 400 mm)	1.6, 1.9, 2.4, 3, and 3.9 in (40, 50, 61, 75, and 100 mm)	172 kPa (25 psi)	3
SOPRA-XPS 30 (with shiplap or square/butt edges)	SOPRA-XPS 30 is designed for the insulation of exterior foundation walls and under foundation slabs.	2 × 8 ft (610 × 2 438 mm)	Shiplap edges: 1, 1.5, 2, 2.5, 3, and 4 in (25, 38, 51, 64, 76, and 102 mm) Square/butt edges: 1, 1.5, 2, 3, and 4 in (25, 38, 51, 76, and 102 mm)	210 kPa (30 psi)	4
SOPRA-XPS 35 (with shiplap or square/butt edges)	SOPRA-XPS 35 is ideal for the insulation of new or refurbished inverted roofs to improve their thermal resistance.	2 × 8 ft (610 × 2 438 mm)	Square/butt edges: 1 in (25 mm) Shiplap edges: 1.5, 2, 2.5, 3, 3.5, and 4 in (38, 51, 64, 76, 89, and 102 mm)	241 kPa (35 psi)	4
SOPRA-XPS 40 (with square edges)	SOPRA-XPS 40, 60 and 100 are designed for heavy load applications requiring high-density insulation. These include inverted roofs, such as green roofs and roof terraces, as well as certain applications under foundation slabs that support dead or live heavy loads.	2 × 8 ft (610 × 2 438 mm)	Square/butt edges: 1, 1.5, 2, 2.5, 3, and 3.5 in (25, 38, 51, 64, 76, and 89 mm)	275 kPa (40 psi)	4
SOPRA-XPS 60 (with square edges)		2 × 8 ft (610 × 2 438 mm)	Square/butt edges: 1, 1.5, 2, 2.5, 3, and 3.5 in (25, 38, 51, 64, 76, and 89 mm)	415 kPa (60 psi)	4
SOPRA-XPS 100 (with square edges)		2 × 8 ft (610 × 2 438 mm)	Square/butt edges: 2 and 3 in (51 and 76 mm)	690 kPa (100 psi)	4

For further information, please contact your SOPREMA representative.

