

EXTRUDED POLYSTYRENE FOAM (XPS) INSULATING PANELS

PRODUCT NAME	SOPRA-XPS 20 (with shiplap or square/ butt edges)	SOPRA-XPS 25 CW (with square/butt edges)	SOPRA-XPS 30 (with shiplap or square/butt edges)	SOPRA-XPS 35 (with shiplap or square/butt edges)	SOPRA-XPS 40 (with square edges)	SOPRA-XPS 60 (with square edges)	SOPRA-XPS 100 (with square edges)
USES	SOPRA-XPS 20 is designed for the insulation of exterior walls, whether they are above or below grade. It can also be used under concrete slabs for residential applications.	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.	SOPRA-XPS 30 is designed for the insulation of walls above and below the foundation and under the foundation slabs.	SOPRA-XPS 35 is ideal for the insulation of new or refurbished inverted roofs to improve their thermal resistance.	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.		
AVAILABLE STANDARD SIZES*	Square/butt edges: 2 × 8 ft (610 × 2 438 mm) Shiplap edges: 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)	3.9 × 7.9 ft (1 200 × 2 400 mm)	2 × 8 ft (610 × 2 438 mm)	2 × 8 ft (610 × 2 438 mm)	2 × 8 ft (610 × 2 438 mm)	2 × 8 ft (610 × 2 438 mm)	2 × 8 ft (610 × 2 438 mm)
AVAILABLE STANDARD THICKNESSES*	Square/butt edges: 2 × 8 ft: 1, 2, and 3 in (25, 51, and 76 mm) Shiplap edges: 2 × 8 ft: 1, 2, and 3 in (25, 51, and 76 mm) 4 × 8 ft: 1.5, and 2 in (25, 38, and mm) 4 × 9 ft: 1 in (25 mm)	1.6, 1.9, 2.4, 3, and 3.9 in (40, 50, 61, 75, and 100 mm)	Square/butt edges: 1, 1.5, 2, 3, and 4 in (25, 38, 51, 76, and 102 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 and 4 in (25 and 102 mm) Shiplap edges: 1.5, 2, 2.5, 3, 3.5, and 4 in (38, 51, 64, 76, 89, and 102 mm)	1, 1.5, 2 and 3 in (25, 38, 51 and 76 mm)	1, 1.5, 2 and 3 in (25, 38, 51 and 76 mm)	2 and 3 in (51 and 76 mm)
MAXIMUM SERVICE TEMPERATURE	75 °C (167 °F)	75 °C (167 °F)	75 °C (167 °F)	75 °C (167 °F)	75 °C (167 °F)	75 °C (167 °F)	75 °C (167 °F)
TYPE ACCORDING TO CAN/ULC S701.1	3	3	4	4	4	4	4
MIN. COMPRESSIVE STRENGTH (ASTM D1621)	138 kPa (20 psi)	172 kPa (25 psi)	210 kPa (30 psi)	241 kPa (35 psi)	276 kPa (40 psi)	414 kPa (60 psi)	689 kPa (100 psi)
THERMAL RESISTANCE (ASTM C518 OR C177)	RSI- 0,88 (R – 5.0)	RSI- 0,88 (R – 5.0)	RSI- 0,88 (R – 5.0)	RSI- 0,88 (R – 5.0)	RSI- 0,88 mm (R – 5.0)	RSI- 0,88 mm (R – 5.0)	RSI- 0,88 mm (R – 5.0)
WATER ABSORPTION (ASTM D2842)	0.7	0.7	0.7	0.7	0.6	0.55	0.5
WATER VAPOUR PERMEANCE (ASTM E96, PROCEDURE A)	38 ng/Pa.s.m ² (0,66 perm)	35 ng/Pa.s.m ² (0,61 perm)	35 ng/Pa.s.m ² (0,61 perm)	35 ng/Pa.s.m ² (0,61 perm)	35 ng/Pa.s.m ² (0,61 perm)	27 ng/Pa.s.m ² (0,47 perm)	22 ng/Pa.s.m ² (0,38 perm)
DIMENSIONAL STABILITY (ASTM D2126)	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
FLEXURAL STRENGTH (ASTM D203)	500 kPa (73 psi)	500 kPa (73 psi)	550 kPa (80 psi)	640 kPa (93 psi)	800 kPa (116 psi)	1000 kPa (145 psi)	1100 kPa (160 psi)
LIMITING OXYGEN INDEX (ASTM D2863)	24%	24%	24%	24%	24%	24%	24%
GLOBAL RECYCLED CONTENT**	69%	68%	69%	70%	69%	57%	67%

*Other dimensions and thicknesses available upon request.

**The recycled content varies according to the compression range. The global recycled content is made of one part of post-consumer and pre-consumer content validated by CT Consultants, and another part which accounts for the manufacturing recovery value. The specific details of the products covered by this validation can be found in the recycled content certificate available on our website.