

# EXTRUDED POLYSTYRENE FOAM (XPS) INSULATING PANELS

PRODUCT NAME	SOPRA-XPS 20 (with shiplap edges)	SOPRA-XPS 20 (with slotted 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 with shiplap edges is designed for the insulation of exterior walls, whether they are above or below grade.	SOPRA-XPS 20 with slotted edges is perfect to insulate interior residential basement walls. Its slotted edges are specially designed to fit a 1 x 3 in wood furring strip	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 SIZES	2 x 8 ft, 4 x 8 ft, and 4 x 9 ft (610 x 2 438 mm, 1 219 x 2 438 mm, and 1 219 x 2 743 mm)	2 x 8 ft (610 x 2 438 mm)	3.9 x 7.9 ft (1 200 x 2 400 mm)	2 pi x 8 pi (610 x 2 438 mm)	2 x 8 ft (610 x 2 438 mm)	2 x 8 ft (610 x 2 438 mm)	2 x 8 ft (610 x 2 438 mm)	2 x 8 ft (610 x 2 438 mm)
AVAILABLE THICKNESSES	2 x 8 ft: 1, 1.5, 2, and 3 in (25, 38, 51, and 76 mm) 4 x 8 ft: 1, 1.5, 2, 3, and 4 in (25, 38, 51, 76, and 102 mm) 4 x 9 ft: 1, 1.5, and 2 in (25, 38, and 51 mm)	1.5 and 2 in (38 and 51 mm)	1.6, 1.9, 2.4, 3, and 3.9 in (40, 50, 61, 75, and 100 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)	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)	Square/butt edges: 1, 1.5, 2, 2.5, 3, and 3.5 in (25, 38, 51, 64, 76, and 89 mm)	Square/butt edges: 1, 1.5, 2, 2.5, 3, and 3.5 in (25, 38, 51, 64, 76, and 89 mm)	Square/butt edges: 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)	75 °C (167 °F)
TYPE ACCORDING TO CAN/ULC S701.1	3	3	3	4	4	4	4	4
MIN. COMPRESSIVE STRENGTH (ASTM D1621)	138 kPa (20 psi)	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 (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	0.7	0.6	0.55	0.5
WATER VAPOUR PERMEANCE (ASTM E96 B)	57 ng/Pa•s•m <sup>2</sup> (1.0 perm)	57 ng/Pa•s•m <sup>2</sup> (1.0 perm)	57 ng/Pa•s•m <sup>2</sup> (1.0 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)
DIMENSIONAL STABILITY (ASTM D2126)	1.50%	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)	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%	29%	24%	24%	24%