



INSULATION

SOPRA-XPS

THERMAL INSULATION PANELS COMPOSED OF EXTRUDED POLYSTYRENE

A STRONG AND VERSATILE INSULATION

SOPRA-XPS is a line of extruded polystyrene thermal insulation panels composed of closed-cell foam combining performance and durability. Multipurpose, they are used for several applications including walls, foundations, inverted roofs and in the civil engineering industry.

EXCEPTIONAL PERFORMANCE

Thanks to its dense closed-cell composition, SOPRA-XPS has a consistent long-term R-value (LTTR) of 5 per inch, even at low temperatures, and offers one of the greatest compression strengths in the market. Furthermore, its outstanding resistance to water and moisture makes it an ideal choice in all applications, even in areas exposed to moisture. Finally, it adapts to temperature changes in winter climates and freeze-thaw cycles. Even when exposed to moisture, SOPRA-XPS is mould and bacteria resistant.

A NEW ECO-FRIENDLIER FORMULA



Thanks to its new, more eco-friendly formula, the SOPRA-XPS line is now produced without any blowing agent that has a global warming potential above 50. Therefore, products made with the new formulation will have no effect on the ozone depletion potential and a much lower global warming potential. In fact, the impact on the global warming potential is reduced by more than 95%*.

HIGH RECYCLED CONTENT

Thanks to SOPREMA's exclusive and innovative process, the SOPRA-XPS line now contains up to 70%** recycled content. Therefore, SOPREMA is the leading XPS insulation manufacturer in terms of recycled content.

Part of the recycled content in SOPRA-XPS products – post-consumer and pre-consumer recycled content – has been validated by an independent third party, CT Consultants, an expert in environmental lifecycle analysis, all in accordance with ISO 14020/21 and ISO 7000-1135 standards. This is a major beneficial attribute for obtaining LEED certification.

GREENGUARD GOLD

In addition, SOPRA-XPS is GREENGUARD Gold-certified, which shows that the products meet very strict criteria and its formulation takes into account challenging safety factors in terms of volatile organic compound (VOC) emissions, which is a significant feature for improving indoor air quality.



SOPRA-XPS PRODUCT LINE

NAME	APPLICATION(S)	COMPRESSIVE STRENGTH	TYPE ACCORDING TO CAN/ULC S701.1	GLOBAL RECYCLED CONTENT**
SOPRA-XPS 20 (with shiplap or square/ butt edges)	SOPRA-XPS 20 with shiplap edges is designed for the insulation of above-grade exterior walls, but also for residential applications on exterior foundation walls and under foundation slabs.	138 kPa (20 psi)	Type 3	69 %
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.	172 kPa (25 psi)	Type 3	68 %
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.	210 kPa (30 psi)	Type 4	69 %
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.	241 kPa (35 psi)	Type 4	70 %
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.	275 kPa (40 psi)	Type 4	69 %
SOPRA-XPS 60 (with square edges)		415 kPa (60 psi)	Type 3	57 %
SOPRA-XPS 100 (with square edges)		690 kPa (100 psi)	Type 4	68 %

* The global warming potential for an extruded polystyrene insulation panel manufactured with HFC-134a gas is approximately 1,350. The new formulation of SOPRA-XPS has a global warming potential index of less than 50.

** 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 at www.soprema.ca.

For further information, please contact your SOPREMA representative.

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