

SOPRA-XPS 30



INSULATION

APPLICATIONS

FOUNDATIONS

TECHNICAL DATA SHEET 200212SCANE

(supersedes 200115SCANE)

DESCRIPTION

SOPRA-XPS 30 is a rigid thermal insulation board made of extruded polystyrene with shiplap or square edges on its four sides. It is composed of closed cell foam.

It is mainly used as a thermal insulation for **SOPREMA** foundation wall systems and under concrete slabs where the applied loads do not exceed 30 psi.

SOPRA-XPS 30 does not have any CFC and HCFC - Zero ozone depletion potential. Over 25% post-consumer and post-industrial recycled content.

SOPRA-XPS 30 meets GREENGUARD GOLD certification.

INSTALLATION

LOOSE LAID

The **SOPRA-XPS 30** insulation boards are laid flat on the ground for applications under concrete slab. When another layer of **SOPRA-XPS 30** insulation is required, it should be installed with staggered joints without being adhered to the first layer. If necessary, use with **SOPRASEAL LM 200 T** adhesive or an adhesive compatible with extruded polystyrene to hold the boards together temporarily.

MECHANICALLY ATTACHED

Install **SOPRA-XPS 30** insulation boards using anchors specifically designed to attach insulation on walls without perforating the waterproofing membrane.

ADHERED WITH ADHESIVE

Adhere with **SOPRASEAL LM 200 T** adhesive or an other adhesive compatible with extruded polystyrene on the foundation walls.

When another layer of **SOPRA-XPS 30** insulation is required, it should be installed with staggered joints on the first layer.

A 100 mm (4 in) **SOPRASEAL STICK FLASHPRO HT** or **ALL WEATHER FLASHING TAPE** self-adhering membrane strip can then be installed centered on panel joints.

Maximum service temperature: 75 °C (167 °F).

SOPRA-XPS 30 should not be exposed to UV rays for more than 60 days.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.



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SOPRA-XPS 30



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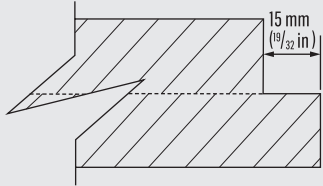
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PACKAGING

Specifications	SOPRA-XPS 30
Available thicknesses* for shiplap boards	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in) 63 mm (2.5 in) 76 mm (3 in) 100 mm (4 in)
Available thicknesses* for square boards	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in) 76 mm (3 in) 100 mm (4 in)
Available board dimensions*	2438 mm x 610 mm (8 x 2 ft)
Shiplap dimensions	
Colour	Light orange

*Other thicknesses and dimensions available upon request.
(All values are nominal)



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PROPERTIES

SOPRA-XPS 30 meets the requirements of CAN/ULC S701.1 Type 4 (ASTM C578-14 Type IV).

Properties	Standards	SOPRA-XPS 30
Thermal Resistance ¹ (RSI-Value [R Value] / 25.4 mm [1 in] @ 24 °C [75 °F])	ASTM C518	RSI- 0.88 (R – 5.0)
Water Vapour Permeance	ASTM E96 (Method A)	52 ng/Pa•s•m ² (0.9 perm)
Flame spread rating	CAN/ULC- S102.2 ²	> 25 < 500
Dimensional Stability, max.	ASTM D2126	1.5 %
Min. Flexural Strength	ASTM C203	550 kPa (80 psi)
Water Absorption, % by volume, max.	ASTM D2842	0.7
Min. Compressive Strength ³	ASTM D1621	210 kPa (30 psi)
Limiting Oxygen Index	ASTM D2863	24 %

For CCMC product evaluation see CCMC Evaluation listing 14149-L

(All values are nominal)

¹ The long-term thermal performance (LTTR) of SOPRA-XPS 30 complies with CAN/ULC S701.1 standard requirement: min. RSI-1.66 (R-9.4) for Type 4 products that are 50 mm (2 in) thick.

Please consult your SOPREMA representative for more information.

² CAN/ULC S102.2 : Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Covering, and Miscellaneous Materials and Assemblies

³ At 5 % deformation or yield.

STORAGE AND HANDLING

SOPRA-XPS 30 thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit.

SOPRA-XPS 30 thermal insulation boards must be stored on a flat substrate in their original packaging. If the products are stored outdoors, cover them with an opaque protective cover if the original packaging is removed so that the boards are always protected from UV and sheltered from inclement weather. As they are flammable, they must be protected and kept away from flames and intense heat sources during transportation, handling, storage, and installation.



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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