SOPRA-XPS 30

INSULATION

APPLICATIONS

FOUNDATIONS

TECHNICAL DATA SHEET 210812SCANE (supersedes 210526SCANE)

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.

The optimized formula of **SOPRA-XPS 30** contains no CFC, no HCFC and no HFC 134a. Moreover, this formula has zero ozone depletion potential and a very low global warming potential of 1.

SOPRA-XPS 30 meets GREENGUARD GOLD certification.

INSTALLATION

LOOSE LAID (1)

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 (1)

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

ADHERED WITH ADHESIVE (1)

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.

Maximum service temperature: 75 °C (167 °F).
Note: SOPRA-XPS 30 should not be exposed to uv rays for more than 60 days.

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

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

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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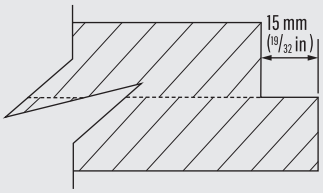
PACKAGING

Specifications	SOPRA-XPS 30	
Available thicknesses (1)	Shiplap boards	Square 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)	25 mm (1 in) 38 mm (1,5 in) 51 mm (2 in) 76 mm (3 in) 100 mm (4 in)
Available board dimensions (1)	2438 mm x 610 mm (8 x 2 ft)	
Shiplap dimensions		
Colour	Grey	

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

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SOPREMA®

GREENGUARD GOLD

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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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•m² (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
Water Absorption, % by volume, max.	ASTM C272	0.1
Min. Compressive Strength (3)	ASTM D1621	210 kPa (30 psi)
Limiting Oxygen Index	ASTM D2863	24 %
Global recycled content (4)	-	69 %

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.

(4) The recycled content varies according to the compression range. The global recycled content is made of one part post- and pre-consumer content validated by CT Consultant, and another part which accounts for the manufacturing process recovery value. The specific details of the products covered by this validation can be found on the Recycled Content Certificate available on our website.

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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