

SOPRA-XPS 30

Rigid Thermal Insulation Board

PRODUCT DATA SHEET PD10436 - REV.220628



APPLICATIONS

FOUNDATION

QUICK FACTS:

	SOPRA-XPS 30	
AVAILABLE THICKNESSES* - SHIPLAP BOARDS, in (mm)	1 (25) 1.5 (38) 2 (51)	2.5 (63) 3 (76) 4 (100)
AVAILABLE THICKNESSES* - SQUARE BOARDS, in (mm)	1 (25) 1.5 (38) 2 (51)	3 (76) 4(100)
MATERIAL	Extruded Polystyrene	
USES	Thermal Insulation	

DESCRIPTION:

SOPRA-XPS 30 is a rigid thermal insulation board made of extruded polystyrene close cell foam with shi lap or square edges on its four sides. The optimized formula of **SOPRA-XPS 30** contains no CFC, no HCFC and no HFC 134a. This proprietary formula has zero ozone depletion potential and an extremely low Global Warming Potential (GWP) of 1. **SOPRA-XPS 30** meets GREENGUARD GOLD certification.

BASIC USES:

SOPRA-XPS 30 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.

APPROVALS:

SOPRA-XPS 30 meets GREENGUARD GOLD certification.



FEATURES & BENEFITS:

- Stable LTTR (Long Term Thermal Resistance) of 5/inch, even at low temperatures
- Outstanding resistance to moisture
- Eco friendly formula utilizing up to 70% recycled content
- Mold and bacteria resistant

CONFIGURATION:

SOPRA-XPS 30 is available in the following edge treatments:

- Boards with square edges on four sides
- Boards with shi lap edges on two sides

INSTALLATION:

LOOSE LAID

- Insulation boards are laid flat on the ground for applications under concrete slab.
- When installing multiple layers of **SOPRA-XPS 30**, all joint should be staggered between layers.
- When another layer of **SOPRA-XPS 30** insulation is required, it should be installed with staggered joints without being adhered to the first layer.

MECHANICALLY ATTACHED

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

COLOR:

- Grey in color with blue print on the face of the board.

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LIMITATION:

- Maximum service temperature: 167°F (75°C)
- **SOPRA-XPS 30** is installed where the applied loads do not exceed 30 psi
- **SOPRA-XPS 30** is a combustible product
- **SOPRA-XPS 30** can not be used in a wall assembly with a combustible veneer
- **SOPRA-XPS 300** should not be exposed to UV rays for more than 60 days
- FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

SHELF LIFE & STORAGE::

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.

TECHNICAL INFORMATION & TESTING:

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

PHYSICAL PROPERTIES		
PROPERTY	STANDARDS	SOPRA-XPS 30
Thermal Resistance¹, (R Value [RSI-Value] / 1 in [25.4 mm] @ 75°F [24°C])	ASTM C518	R – 5.0 (RSI- 0.88)
Water Vapour Permeance), perm (Ng/Pa·s·m ²)	ASTM E96 (Method A)	0.9 (52)
Flame Spread, Smoke Developed	UL 723*/ASTM E84	20** 15**
Dimensional Stability, max %	ASTM D2126	1.5
Flexural Strength, min psi (kPa)	ASTM C203	80 (550)
Water Absorption by Volume, max %	ASTM C272	0.1
Compressive Strength, min psi (kPa)	ASTM D1621	30 (210)
Limiting Oxygen Index, %	ASTM D2863	24
Global Recycled Content, % ²	-	69
Shiplap Dimensions		

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For CCMC product evaluation see CCMC Evaluation listing 14149-L

**UL 723 and ASTM E84 both utilize the Steiner Tunnel test and update their standards concurrently so they are the same test method.*

*** Flame spread and smoke developed were recorded while the material remained in the original test position, ignition of the molten residue on the furnace floor resulted in flame*

travel equivalent to calculated flame spread classification of 130-155 and smoke developed classification of over 500.

¹The 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 At 5 % deformation or yield.

³ 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.