

# SOPRA-XPS 35

PRODUCT DATA SHEET PD10437 - REV.220620



APPLICATIONS

ROOFING

## DESCRIPTION:

**SOPRA-XPS 35** is a rigid thermal insulation board made of closed cell extruded polystyrene with shiplap or square edges on its four sides. The optimized formula of **SOPRA-XPS 35** 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 35** has low VOC emissions, it has been tested and determined compliant in accordance with California Department of Public Health (CDPH) V1.2 (January 2017). **SOPRA-XPS 35** meets GREENGUARD GOLD certification.

## BASIC USES:

**SOPRA-XPS 35** is mainly used as a thermal insulation for SOPREMA® protected-membrane roofing systems (inverted roofs).

## 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 35** is available in the following edge treatments:

- Board with squared edges on four sides
- Boards with shiplap edges on four sides

## COLOR:

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

## PACKAGING:

SPECIFICATIONS	SOPRA-XPS 30
Available thicknesses* - shiplap boards, in (mm)	1.5 (38) 2 (51) 2.5 (64) 3 (76) 3.5 (89) 4 (102)
Available thicknesses* - square boards, in (mm)	1 (25)
Available board dimensions*, ft (mm)	8 x 2 (2438 x 610)

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



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## INSTALLATION:

### LOOSE LAID

- Insulation boards are laid flat on the ground for applications under concrete slab.
- When installing multiple layers of **SOPRA-XPS 35**, all joint should be staggered between layers.
- When another layer of **SOPRA-XPS 35** insulation is required, it should be installed with staggered joints without being adhered to the first layer.

## LIMITATION:

- Maximum service temperature: 167°F (75°C)
- **SOPRA-XPS 35** is installed where the applied loads do not exceed 35 psi
- **SOPRA-XPS 35** is a combustible product
- **SOPRA-XPS 35** can not be used in a wall assembly with a combustible veneer
- **SOPRA-XPS 35** 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 35** thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit. **SOPRA-XPS 35** 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.

## APPROVALS:

**SOPRA-XPS 35** meets GREENGUARD GOLD certification.



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## PROPERTIES:

SOPRA-XPS 35 meets the requirements of ASTM C578-14 Type IV (CAN/ULC S701.1 Type 4).

PROPERTIES	STANDARDS	SOPRA-XPS 35
<b>Thermal Resistance<sup>1</sup></b> (R Value [RSI-Value] / 1 in [25.4 mm] @ 75°F [24°C])	ASTM C518	R – 5.0 (RSI- 0.88)
<b>Water Vapour Permeance, perm</b> (Ng/Pa·s·m <sup>2</sup> )	ASTM E96	0.9 (52)
<b>Flame Spread</b> Smoke Developed	UL 723*/ASTM E84	20** 15**
<b>Dimensional Stability, max %</b>	ASTM D2126	Pass
<b>Flexural Strength, min psi (kPa)</b>	ASTM C203	93 (640)
<b>Water Absorption by volume max, %</b>	ASTM C272	0.1
<b>Compressive Strength, min psi (kPa)</b>	ASTM D1621	35 (241)
<b>Limiting Oxygen Index, %</b>	ASTM D2863	24
<b>Global recycled content, %<sup>2</sup></b>	-	70
<b>Shiplap Dimensions</b>		

\*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.

<sup>1</sup> The long-term thermal performance (LTTR) of SOPRA-XPS 35 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.

<sup>2</sup> 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