

SOPRA-XPS 25CW

PRODUCT DATA SHEET PD10435 - REV.220628



APPLICATIONS

WALLS

QUICK FACTS & PACKAGING:

	SOPRA-XPS 25 CW
BOARD SIZE	7.9 x 3.9 (2,400 x 1,200)
THICKNESS	1.6 (40) 2 (50) 2.4 (61) 3 (75) 3.9 (100)
MATERIAL	Extruded Polystyrene
USES	Thermal Insulation

DESCRIPTION:

SOPRA-XPS 25 CW is a rigid thermal insulation board made of extruded polystyrene composed of closed cell foam. The optimized formula of **SOPRA-XPS 25 CW** 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 25 CW** insulation boards are scored every 16 in (400 mm) and 24 in (600 mm) so they can easily be cut when they need to fit perfectly between wall ties.

SHELF LIFE & STORAGE:

SOPRA-XPS 25 CW thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit. **SOPRA-XPS 25 CW** 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.

BASIC USES:

SOPRA-XPS 25 CW is mainly used as thermal insulation for above grade SOPREMA® wall systems.

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

COLOR:

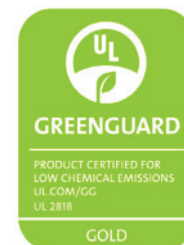
- Grey in color with blue print on the face of the board.

CONFIGURATION:

SOPRA-XPS 25 CW is available in the following edge treatments: Board with square edges on four sides.

APPROVALS:

SOPRA-XPS 25 CW meets GREENGUARD GOLD certification.



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INSTALLATION:

MECHANICALLY ATTACHED

- Install insulation boards using fasteners and 2 in (50 mm) diameter plates
- Install fasteners at 6 in (150 mm) on board perimeter and at 12 in (305 mm) o.c. horizontally and vertically
- When installing multiple layers of SOPRA-XPS, all joint should be staggered between layers

LIMITATION:

- Maximum service temperature: 167°F (75°C)
- **SOPRA-XPS 25 CW** is installed where the applied loads do not exceed 25 psi.
- **SOPRA-XPS 25 CW** is a combustible product.
- **SOPRA-XPS 25 CW** can not be used in a wall assembly with a combustible veneer.
- **SOPRA-XPS 25 CW** should not be exposed to UV rays for more than 60 days.
- **FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA® REPRESENTATIVE.**

PROPERTIES:

SOPRA-XPS 25 CW meets the requirements of ASTM C578-14 Type IV (CAN/ULC S701.1 Type 3).

PHYSICAL PROPERTIES		
PROPERTY	STANDARDS	SOPRA-XPS 25 CW
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*m2)	ASTM E96	1.0 (57)
Flame Spread, Smoke Developed	UL 723*/ASTM E84	20** 15**
Dimensional Stability, max %	ASTM D2126	1.5
Flexural Strength, min psi (kPa)	ASTM C203	73 (500)
Water Absorption by Volume, max %	ASTM C272	0.1
Compressive Strength, min psi (kPa)	ASTM D1621	25 (172)
Limiting Oxygen Index, %	ASTM D2863	24
Global Recycled Content, %²	-	69

*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.

¹ The long-term thermal performance (LTTR) of SOPRA-XPS 25 CW complies with CAN/ULC S701.1 standard requirement: min. RSI-1.62 (R-9.2) for Type 3 products

that are 50 mm (2 in) thick. Please consult your SOPREMA representative for more information.

² 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.