SOPRA-XPS 35 DC

INSULATION

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 200212SCANE (supersedes 200121SCANE)

DESCRIPTION

SOPRA-XPS 35 DC is a rigid thermal insulation board made of extruded polystyrene composed of closed cell foam. It is available with shiplap edges on all four sides in several thickness. **SOPRA-XPS 35 DC** also has drainage channels along the length, the width and on the perimeter of one of its two faces. These grooves facilitate the flow of water infiltrated under the panels to the drains to minimize the risk of floating panels caused by ponding water.

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

SOPRA-XPS 35 DC does not have any CFC and HCFC - Zero ozone depletion potential.

Over 25% post-consumer and post industrial recycled content.

SOPRA-XPS 35 DC 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 DC meets GREENGUARD GOLD certification.

INSTALLATION

LOOSE LAID

Boards are laid flat on the roof. When another layer of **SOPRA-XPS 35 DC** insulation is required, it should be installed with staggered joints without being adhered to the first layer. If necessary, use an adhesive compatible with extruded polystyrene to hold the panels together temporarily.

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

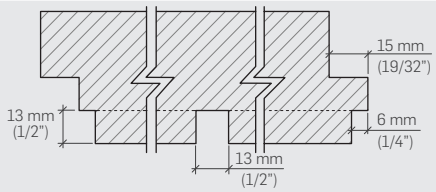
LIMITATIONS

The grooved side of **SOPRA-XPS 35 DC** insulating boards must be installed directly on the substrate.

SOPRA-XPS 35 DC should not be exposed to UV rays for more than 60 days.

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

PACKAGING

Specifications	SOPRA-XPS 35 DC
Available thicknesses* for shiplap boards	38 mm (1.5 in) 51 mm (2 in) 76 mm (3 in) 102 mm (4 in)
Dimensions of the boards*	2438 mm X 610 mm (8 x 2 ft)
Groove and shiplap dimensions	
Colour	Light orange

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

TDS_SOPRA-XPS_35_DC.indd

SOPREMA®

GREENGUARD GOLD

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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PROPERTIES

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

Properties	Standards	SOPRA-XPS 35 DC
Thermal Resistance (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	52 ng/Pa•m²•s (0.9 perm)
Flame spread rating	CAN/ULC-S102.2[1]	> 25 < 500
Dimensional Stability	ASTM D2126	Pass
Min. Flexural Strength	ASTM C203	640 kPa (93 psi)
Water Absorption, % by volume, max.	ASTM D2842	0.7
Min. Compressive Strength[2]	ASTM D1621	241 kPa (35 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 35 DC** 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 Covering and Miscellaneous Materials and Assemblies.
[3] At 5% deformation or yield.

STORAGE AND HANDLING

SOPRA-XPS 35 DC thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit.

SOPRA-XPS 35 DC 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.