

SOPRA-XPS 40 & 60

TECHNICAL DATA SHEET 170421SCANE

(supersedes -)



INSULATION

APPLICATIONS

FOUNDATIONS

ROOFS

PARKING DECKS

PLAZA DECKS

DESCRIPTION

SOPRA-XPS 40 & 60 are rigid thermal insulation boards made of high-density extruded polystyrene with squared edges on its four sides. They are composed of closed cell foam.

SOPRA-XPS 40 & 60 are designed for applications requiring high-density insulation on which heavy loads will be applied. They are mainly used for **SOPREMA** foundation systems under slabs, protected-membrane roofing systems (inverted), parking decks, and plaza decks.

INSTALLATION

The printed side of **SOPRA-XPS 40 & 60** insulating boards must be installed directly on the substrate.

LOOSE LAID

The **SOPRA-XPS 40 & 60** insulation boards are laid flat on the roof, parking decks, plaza decks and on the ground for applications under concrete slabs. When another layer of **SOPRA-XPS 40 & 60** 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.

ADHERED WITH ADHESIVE

Adhere with **SOPRASEAL LM 200 T** adhesive or an adhesive compatible with extruded polystyrene.

When another layer of **SOPRA-XPS 40 & 60** insulation is required, it should be installed with staggered joints on the first layer.

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

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

PACKAGING

Specifications	SOPRA-XPS 40 & 60
available thicknesses	51 mm (2 in) 76 mm (3 in)
Board dimensions	2438 mm x 610 mm (8 x 2 ft)
Colour	Light orange

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : SOPREMA INC. may modify the composition and/or use of its products without prior notice.

TDS_SOPRA-XPS_40_60.indd

SOPRA-XPS 40 & 60



INSULATION

APPLICATIONS

FOUNDATIONS

ROOFS

PARKING DECKS

PLAZA DECKS

TECHNICAL DATA SHEET 170421SCANE

(supersedes -)

PROPERTIES

SOPRA-XPS 40 & 60 meets the requirements of CAN/ULC S701 Type 4.

Properties	Standards	SOPRA-XPS 40	SOPRA-XPS 60
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	31 ng/Pa•m ² •s (0.5 perm)	34 ng/Pa•m ² •s (0.6 perm)
Dimensional Stability	ASTM D2126	Pass	
Min. Flextural Strength	ASTM C203	770 kPa (112 psi)	840 kPa (122 psi)
Water Absorption, % by volume, max.	ASTM D2842	0,4	
Min. Compressive Strength	ASTM D1621	275 kPa (40 psi)	415 kPa (60 psi)
Limiting Oxygen Index	ASTM D2863	29 %	27 %

(All values are nominal)

STORAGE AND HANDLING

SOPRA-XPS 40 & 60 thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit.

SOPRA-XPS 40 & 60 thermal insulation boards must be stored on a flat substrate, 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.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : SOPREMA INC. may modify the composition and/or use of its products without prior notice.

TDS_SOPRA-XPS_40_60.indd