



THERMAL INSULATION

EXTRUDED POLYSTYRENE

MIDDLE EAST

MANUFACTURED IN EUROPE

# SOPRA-EFYOS XPS ME (SL)

EXTRUDED POLYSTYRENE  
THERMAL INSULATION BOARDS

TECHNICAL DATA SHEET 180108SME5E

## DESCRIPTION

SOPRA-EFYOS XPS ME (SL) is a closed-cell-structure rigid thermal insulation board made of extruded polystyrene with flat or ship-lap edges on all four sides. It is composed of closed cell foam used in various thermal insulation applications. The product is mainly used as a thermal insulation for SOPREMA protected-membrane roofing systems (inverted roofs) to protect the waterproofing membrane from damage and UV degradations in inverted roofing applications. While providing the high thermal insulation value, SOPRA-EFYOS XPS ME (SL) also provides high water absorption resistance characteristics. SOPRA-EFYOS XPS ME (SL) is available in various thicknesses that range from 30 mm up to 120 mm; thus meets the demands of different design configurations and requirements.

## USER APPLICATIONS

SOPRA-XPS ME SL is used in various applications for roofs and below-grade installations:

- Inverted roofs
- Plaza decks
- Pitched roofs
- Extensive green roofing applications
- Roof restoration
- Forged steel slabs and pavements
- Roads and railway lines

## INSTALLATION GUIDELINES

### (1) LOOSE LAID

- The SOPRA-XPS ME SL insulation boards are laid flat on the roof, parking decks, plaza decks and on the ground for applications.

### (2) UNDER CONCRETE SLABS

- When another layer of SOPRA-XPS ME SL insulation is required, boards should be installed in a staggered joints fashion 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.

### (3) ADHERED

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

## QUALITY CONTROL

SOPRA-XPS ME SL thermal insulation boards are manufactured in ISO-9001 certified SOPREMA factories which are audited by Third-Party organizations such as Underwriters Laboratories (UL) and FM Global.

## SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. Our products are made of raw material sourced from natural or recycled resources. Products fostering sustainable resources, products and services with a positive impact on the environment. Please refer to the product's Material Safety Data Sheet (MSDS) for more information related to health and safety of this product.



High Physical & Mechanical Properties

Variety Thicknesses

Environment Friendly

"E" Class Reaction to Fire

Accommodates Temperature Fluctuation Expansion

Maximum level of Indoor Comfort



■ SOPREMA may modify the composition and/or utilization of its products without prior notice.  
■ Manufactured by SOPREMA at any of SOPREMA's Plants Worldwide or in UAE Under Licence by SOPREMA



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## SUPPLY DATA

SOPRA-XPS ME (SL)						
DIMENSIONS m	THICKNESS mm	R <sub>D</sub>	BOARDS / PACK	M <sup>2</sup> / PACK	PACKS / PALLET	M <sup>2</sup> / PALLET
1.25 X 0.60 (0.75 M <sup>2</sup> )	30	0.90	14	10.50	12	126.00
	40	1.20	10	7.50	12	90.00
	50	1.50	8	6.00	12	72.00
	60	1.80	7	5.25	12	63.00
	80	2.20	5	3.75	12	45.00
	100	2.80	4	3.00	12	36.00
	120	2.35	3	2.25	14	31.50

- (all values are nominal)
- Thickness Tolerance: +2 / -2 (<50mm), +3 / -2 (≥ 50mm)
- This product does not contain asbestos or tar constituents.

## TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	SOPRA-XPS ME (SL)
Thermal conductivity	(W/m. °K) 10 °C	EN 12667 EN 12939	0.034 (30 - 60 mm) 0.036 (> 60 mm)
Compressive strength	10% Kpa	EN 826	300
Reaction to fire	Class	EN 13501-1	E
Density	Kg / m <sup>3</sup>	EN 1602	35 (+/- 15%)
Capillarity	-	-	None
Linear coefficient of thermal expansion	mm/m-k	-	0.07
Water vapour permeability	MU	-	150
Temperature limits	°C	-	-50 / +75
Water absorption	% volume	-	≤ 0.75
Surface	-	-	Skin

(all values are nominal)

## STORAGE & HANDLING

SOPRA-XPS ME SL should be stored away from the source of ignition. Adequate ventilation must be secured when applying solvent-based primer for SOPRA-XPS ME SL products in enclosed areas. Wear necessary Personal Protective Equipment. Open solvent-based primer drums or containers should be kept tightly closed, away from fire or open flame. Partly used material should be placed in a sealed container and stored in a well-ventilated area.



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