

## XPS 500

### Description

**XPS 500** is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO<sub>2</sub> technology.

**XPS 500** is mainly used as thermal insulation including floors and car parks where a high compressive strength is required.

### Packing & Storage

Thickness (mm)	Boards/pack	m <sup>2</sup> /pack	Boards/pallet <sup>(1)</sup>	m <sup>2</sup> /pallet <sup>(1)</sup>	Thermal resistance (R <sub>D</sub> ) (m <sup>2</sup> .K/W)
40	10	7,50	120	90,0	1,20
50	8	6,00	96	72,0	1,50
60	7	5,30	84	63,0	1,80
80	5	3,80	60	45,0	2,25
100	4	3,00	48	36,0	2,85
120	3	2,25	42	31,5	3,40
140	3	2,25	36	27,0	4,00
160	2	1,50	32	24,0	4,55
180	2	1,50	28	21,0	5,10
200	2	1,50	24	18,0	5,70
220	2	1,50	24	18,0	6,10
240	1	0,75	20	15,0	6,65
260	1	0,75	18	13,5	7,20
280	1	0,75	16	12,0	7,75
300	1	0,75	16	12,0	8,30

(1) In addition to the default pallet, there is also a "jumbo" pack, composed of 2x2 pallets.

Store the insulation boards on a flat surface, keep dry and protected from sunlight.

### Characteristics

Thermal conductivity (W/(m.K)) (EN 12667)	30 - 60 mm 70 - 200 mm 210 - 300 mm	0,033 0,035 0,036
Length (mm) (EN 822)		1250 ± 8
Width (mm) (EN 822)		600 ± 8
Density (kg/m <sup>3</sup> )		35-40
Edge profile		rebate edge
Surface		smooth
Compressive strength at 10% deformation (kPa) (EN 826)		CS(10\Y)500
Dimensional stability (EN 1604)		DS(70,90)
Long term water absorption by immersion (%) (EN 12087)		WL(T)0,7
Reaction to fire (Euroclass)		E
Water vapour permeability (μ) (EN 12086)		150
Tensile strength perpendicular to faces (kPa) (EN 1607)		TR200
Compressive creep (EN 1606)		CC(2/1,5/50)180

NPD = no performance determined

### Installation

Use a suitable adhesive for adhesion to underground walls.

Always consult the local regulations and contact the manufacturer for technical questions.

After installation the insulation boards must be protected against weather conditions and sunlight.

## Certifications

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ATG H892 (B)  
ATG 3135 (B)  
KOMO K98585 (NL)  
KOMO K98586 (NL)  
See certificates for more information.

## Special indications

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### Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

### Quality-, Environment- and Safety Management

**SOPREMA** always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.