

## XPS 500

### Description

XPS 500 is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO<sup>2</sup> 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	3,35
140	3	2,25	36	27,0	3,90
160	2	1,50	32	24,0	4,45
180	2	1,50	28	21,0	5,00
200	2	1,50	24	18,0	5,55
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))	40 - 60 mm 70 - 115 mm 120 - 300 mm	0,033 0,035 0,036
Length (mm)		1250 ± 8
Width (mm)		600 ± 3
Density (kg/m <sup>3</sup> )		35-40
Edge profile		rebate edge
Surface		smooth
Compressive strength at 10% deformation (kPa) (EN 826)		≥ 500
Dimensional stability (EN 1604)		DS(70,90)
Long term water absorption by immersion (EN 12087)		WL(T)0,7
Compressive creep (EN 1606)		CC(2/1,5/50)180
Reaction to fire (Euroclass)		E

### 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

- ATG H892 (B)
- ATG 3135 (B)
- KOMO K98585 (NL)

See certificates for more information.

SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Contact: [www.Soprema.com](http://www.Soprema.com)

## 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.  
For more information, please refer to the relevant safety data sheet.

### 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**.

