

SOPRA XPS WF

Description

SOPRA XPS WF is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly CO₂ technology.

SOPRA XPS WF is mainly used as thermal insulation including underground constructions, supporting beams and formwork. The embossed surface of the board allows direct interior plastering.

Packing & Storage

Thickness (mm)	Boards/pack	m ² /pack	Boards/pallet ⁽¹⁾	m ² /pallet ⁽¹⁾	Thermal resistance (R _D) (m ² .K/W)
20	20	15,00	240	180,0	0,60
30	14	10,50	168	126,0	0,90
40	10	7,50	120	90,0	1,20
50	8	6,00	96	72,0	1,50
60	7	5,25	84	63,0	1,80
80	5	3,75	60	45,0	2,40
100	4	3,00	48	36,0	2,95
120	3	2,25	42	31,5	3,55
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	13,5	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, protected from sunlight and temperatures above 75 °C.

Characteristics

Thermal conductivity (W/(m.K)) (EN 12667)	20 - 80 mm	0,033
	85 - 120 mm	0,034
	130 - 200 mm	0,035
	210 - 300 mm	0,036
Length (mm) (EN 822)		1250 ± 8
Width (mm) (EN 822)		600 ± 8
Density (kg/m ³)		30-35
Edge profile		straight
Surface		embossed
Compressive strength at 10% deformation (kPa) (EN 826)	20 mm	CS(10\Y)250
	30 - 300 mm	CS(10\Y)300
Dimensional stability (%) (EN 1604)	20 mm	NPD
	30 - 300 mm	DS(70,90)5
Long term water absorption by immersion (%) (EN 12087)	20 mm	NPD
	30 - 300 mm	WL(T)0,7
Reaction to fire (EN 13501-1)		E
Water vapour permeability (μ) (EN 12086)	20 mm	NPD
	30 - 300 mm	150
Tensile strength perpendicular to faces (kPa) (EN 1607)	20 mm	NPD
	30 - 300 mm	TR200
Compressive creep (kPa) (EN 1606)		NPD

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.
Immediately after installation the insulation boards must be protected against weather conditions, sunlight and temperatures above 75 °C.

Special indications

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**.