

# **TECHNICAL DATASHEET**



## **CELOTEX XPS 700 SL FS**

## **Description**

**CELOTEX XPS 700 SL FS** is a rigid thermal insulation board made of extruded polystyrene (XPS) foam produced according to climate-friendly  $CO_2$  technology.

**CELOTEX XPS 700 SL FS** is mainly used as thermal insulation including floors and car parks where a very high compressive strength is required.

### **Packing & Storage**

Thickness (mm)	Boards/ pack	m²/pack	Boards/pallet	m²/pallet	Thermal resistance (R <sub>D</sub> ) (m <sup>2</sup> .K/W) (2)
		12	250 x 600 mm <sup>(1)</sup>		
60	7	5,3	84	63,0	1,80
80	5	3,8	60	45,0	2,40
100	4	3,0	48	36,0	2,90
120	3	2,3	42	31,5	3,40
140	3	2,3	36	27,0	4,10
160	2	1,5	32	24,0	4,70
180	2	1,5	28	21,0	5,25
200	2	1,5	24	18,0	5,85
220	2	1,5	20	15,0	6,45
240	2	1,5	20	15,0	7,05
260	1	0,8	18	13,5	7,60
280	1	0,8	16	13,5	8,20

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

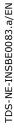
Store the insulation boards on a flat surface, keep dry, protected from sunlight and temperatures above 75 °C.

#### **Characteristics**

60 ≤ d ≤ 80 mm	0,033 (3)		
80 < d ≤ 100 mm	0,034 <sup>(3)</sup>		
100 < d ≤ 120 mm	0,035 <sup>(3)</sup>		
120 < d ≤ 280 mm	0,034 <sup>(3)</sup>		
Length (mm) (EN 822)			
Width (mm) (EN 822)			
Thickness tolerance - d <sub>N</sub> (EN 823)			
Density (kg/m³)			
Edge profile			
	smooth		
Compressive strength at 10 % deformation (kPa) (EN 826)			
Dimensional stability (≤ 5 %) (EN 1604)			
Long term water absorption by total immersion (%) (EN 12087)			
Reaction to fire (EN 13501-1)			
Water vapour diffusion resistance -µ (EN 12086)			
1607)			
60 ≤ d < 110 mm	NPD		
110 ≤ d ≤ 280 mm	TR200		
Durability of compressive creep against ageing/degradation (kPa) (EN 1606)			
	CC(2/1,5/50)250		
	80 < d ≤ 100 mm 100 < d ≤ 120 mm 120 < d ≤ 280 mm (EN 826) (6) (EN 12087) 1607) 60 ≤ d < 110 mm 110 ≤ d ≤ 280 mm		

NPD = no performance determined

(3) The variation due to aging of the thermal conductivity and resistance has been taken into account in the indicated performance



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### **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**.

TDS-NE-INSBE0083.a/EN