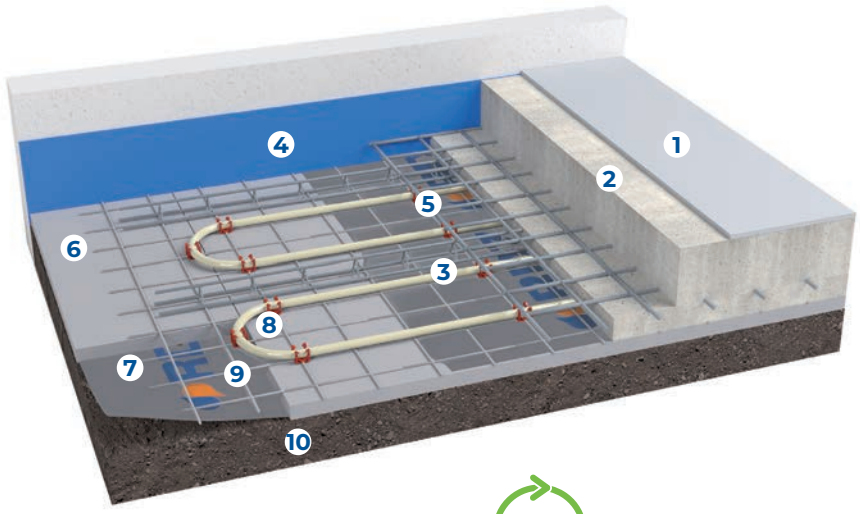
SMOOTH EXTRUDED PANEL 500 kPa

TECHNICAL DATA SHEET

Extruded polystyrene foam insulation board produced using environmentally friendly, CFC- and HCFC-free gases, in accordance with European regulation EC 2037/2000, with thermoplastic properties and a closed-cell structure, which gives the product excellent thermal and mechanical properties. The panel has excellent insulating properties and thanks to its low thermal conductivity and therefore high thermal resistance, it provides optimal thermal insulation, allowing for high energy savings.



1. Quartz
2. Screed
3. Tech Ø20 / Ø25 mm pipe
4. Industrial perimeter belt
5. Reinforced mesh
6. 500 KPa Extruded Panel
7. Nylon
8. Clip Industry
9. Electro-welded wire mesh Ø 6 mm
10. Fixed rolled screed

The product complies with the Minimum Environmental Criteria (CAM).

Size (mm)	Code
1250x600x50	1150150
1250x600x60	1150160
1250x600x80	1150180

FEATURES	SYMBOL	50	60	80	UNIT	STANDARD
Necessary Length	L1	1250 ± 8			mm	EN 822
Necessary Width	W1	600 ± 3			mm	EN 822
Total Thickness	T4	50 ± 3	60 ± 3	80 ± 3	mm	EN 823
Compressive stress at 10% deformation	CS(10\Y)	500			kPa	EN 826
Creep - Compressive load with continuous stress 2%	CC(2/1,5/50)	180			kPa	EN 1606
Thermal conductivity at 10 °C	λ_D	0,033		0,035	W/(m•K)	EN 12667
Thermal resistance	R_D	1,50	1,80	2,25	$(m^2•K)/W$	EN 13163
Long term water absorption by diffusion	WD(V)	3	2		Vol. %	EN 12088
Long-term water absorption by total immersion	WL(T)	0,7			Vol. %	EN 12087
Dimension stability (70°C, 90% r.h.)		DS(70,90)			Class	EN 1604
Water vapour resistance factor	μ (MU)	150				EN 12086
Deformation under specific load and temperature conditions		DLT(2)5			Class	EN 1605
Reaction to fire		E			Euroclass	EN 13501-1
Tensile strength perpendicular to the faces		TR200			Kpa	EN 1607
Freeze-thaw resistance		FTCD1			Vol %	EN 12091
Max operating temperature		70			°C	
Weight		1350	1590	1800	g	
Specific heat	C	1450			J/kg•K	EN 10456
Declaration according to UNI EN 13164						
Class: 500						
Unique identication code: XPS-UNI EN 13164:2015-T1-CS(10\Y)500-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)2,3-FTCD1-MU150						

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

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