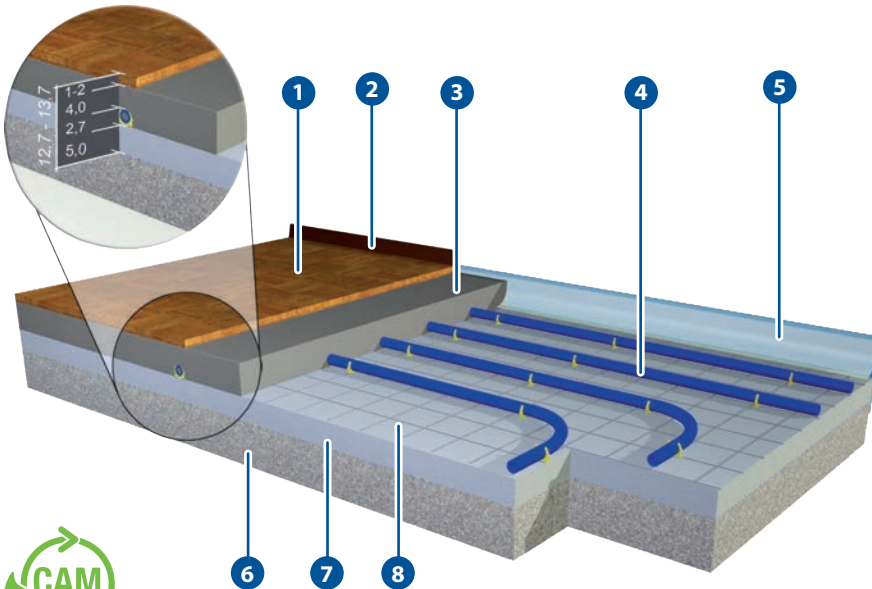


TECHNICAL DATA SHEET



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 Flooring
- 2 Skirting board
- 3 Concrete
- 4 PE-Xc pipe Ø17-13
- 5 Perimeter belt
- 6 Structural base + levelling
- 7 Smooth Extruded Panel 50
- 8 3-mm wire mesh



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

Size (mm)	Code
1250x600x30	1130130
1250x600x40	1130140
1250x600x50	1130150
1250x600x60	1130160
1250x600x80	1130180

FEATURES	SYMBOL	30	40	50	60	80	U.M.	STANDARD	
Necessary Length	L1	1250 ± 8						mm	EN 822
Necessary Width	W1	600 ± 3						mm	EN 822
Total Thickness	T4	30 ± 2	40 ± 2	50 ± 3	60 ± 3	80 ± 3	mm	EN 823	
Compressive stress at 10% deformation	CS(10\Y)	300						kPa	EN 826
Creep - Compressive load with continuous stress 2%	CC(2/1,5/50)	130						kPa	EN 1606
Thermal conductivity at 10 °C	λ_D	0,033				0,035	W/(m·K)	EN 12667	
Thermal resistance	R_D	0,90	1,20	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		720	940	1160	1380	1940	g		
Specific heat	C	1450					J/kg·K	EN 10456	

Intended use in accordance with the applicable harmonised technical specification: EN 13164:2012 + A1:2015

Unique code (30-40 mm): XPS -EN 13164-T1-CS(10\Y)300-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)5-FTCD1-MU150

Unique code (50-60-80 mm): XPS -EN 13164-T1-CS(10\Y)300-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)3-FTCD1-MU150- CC(2/1,5/50)120

