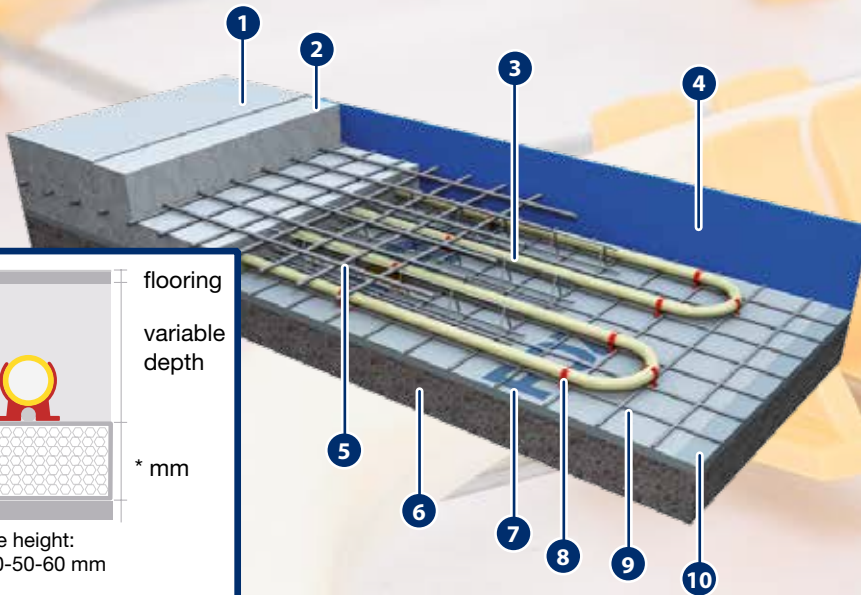
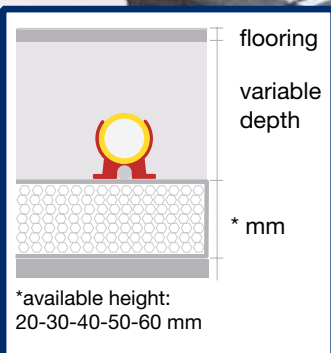


XL SMOOTH EXTRUDED INSULATING PANEL

Insulating panels made of extruded expanded polystyrene, produced with ecological gas, without CFC and HCFC, conforming to the European regulations EC 2037/2000. They have a closed-cell structure and react to fire according to Euroclass E.



- 1 Quartz
- 2 Concrete
- 3 PE-Xc pipe Ø 20 o Ø 25
- 4 Insulation edge
- 5 Reinforced mesh
- 6 Fixed rolled screed
- 7 Nylon
- 8 Industry clips
- 9 Pipe supporting mesh Ø 6 mm
- 10 20 mm smooth extruded panel



Size (mm)	Code
1250x600x20	1030220

FEATURES	SYMBOL	VALUE	UNIT
Declarations according to EN 13164			
Length		1250	mm
Width		600	mm
Thickness	dN	20	mm
Dimensional tollerances	T	1	
Thermal conductivity	λ_D	0,032	W/(m·K)
Thermal resistance	R_D	0,60	(m ² ·K)/W
Compressive strength	CS(10\Y)	≥ 300	kPa
Tensile strength perpendicular to faces	TR	NPD	
Reaction to fire	Euroclass	E	
Continuous glowing combustion		NPD	
Acoustic absorption index		NPD	
Long term water absorption by total immersion	WL(T) 0,7	< 0,7	Vol. %
Long term water absorption by diffusion	WD(V) 3	< 3	Vol %
Water vapor diffusion resistance factor	μ	NPD	
Compressive creep	CC (2/1,5/50)	130	kPa
Durability of reaction to fire against: heat, weathering, ageing/degradation	The reaction to fire performance of XPS does not change with time		
Freeze-thaw resistance after long term water diffusion test	FTCD1	≤ 1	Vol %
Freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD	
Dimensional stability under specified temperature and humidity conditions	DS(70,90)	≤ 5	%
Deformation under specified compressive load and temperature conditions	DLT(2)5	≤ 5	%
Unique identification code of the product-type: XPS -EN 13164-T1- DS(70,90)- DLT(2)5- CS(10\Y)300			

