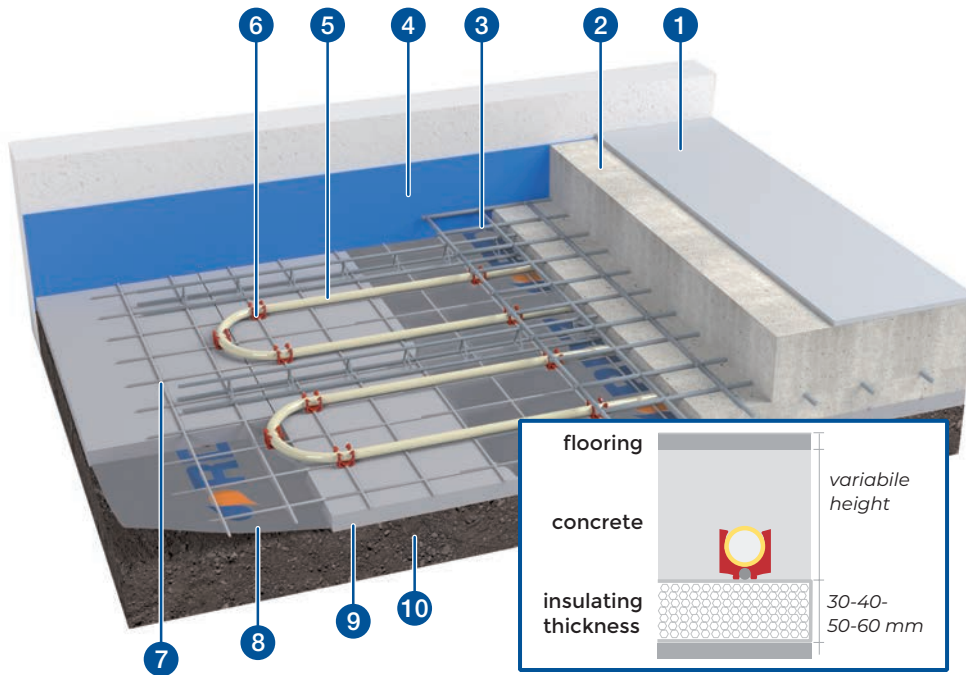


## TECHNICAL SHEET



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.  
Compressive strength with 10% of deformation: 300 kPa.



- 1 Quartz
- 2 Concrete
- 3 Reinforced mesh
- 4 Industrial perimeter belt
- 5 PE-Xc pipe Ø 20 or Ø 25
- 6 Industry clips
- 7 Pipe supporting mesh Ø 6 mm
- 8 Nylon
- 9 Smooth extruded panel
- 10 Fixed rolled screed

Size (mm)	Code
1250x600x30	1130230
1250x600x40	1130240
1250x600x50	1130250
1250x600x60	1130260

FEATURES	SYMBOL	30	40	50	60	UNIT
<b>Declarations according to EN 13164</b>						
Length		1250				mm
Width		600				mm
Thickness	dN	30	40	50	60	mm
Dimensional tollerances	T	1				
Thermal conductivity	$\lambda_D$	0,032	0,033	0,034		W / m·K
Thermal resistance	$R_D$	0,90	1,25	1,50	1,80	m <sup>2</sup> ·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	$\mu$	100				
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-CC(2/1,5/50)130- WD(V)3- WL(T)0,7- MU100- FTCD1						

