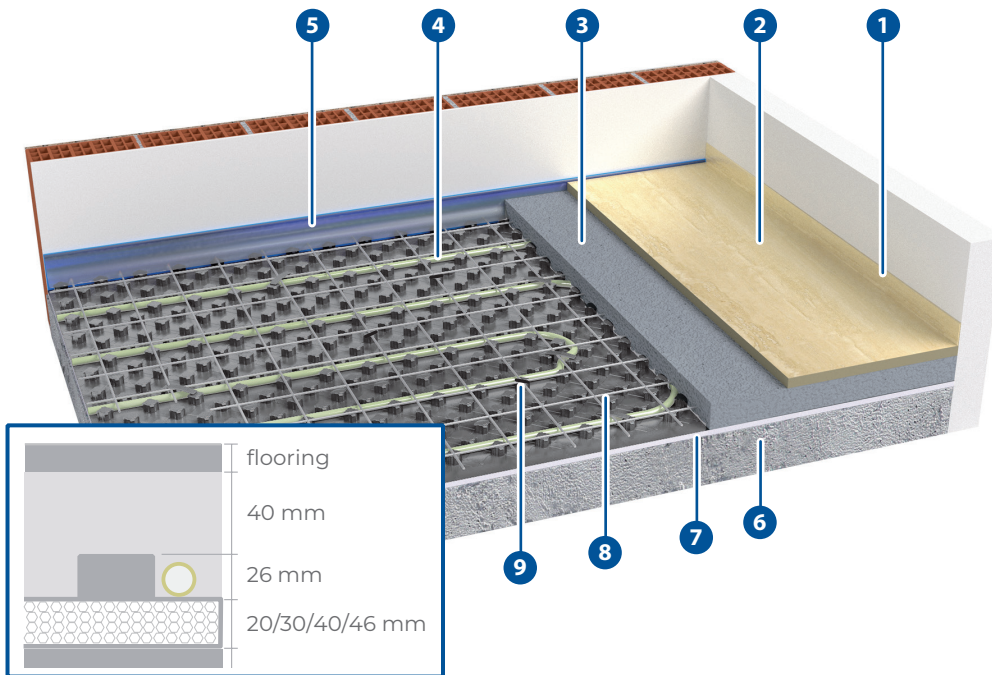


TECHNICAL DATA SHEET

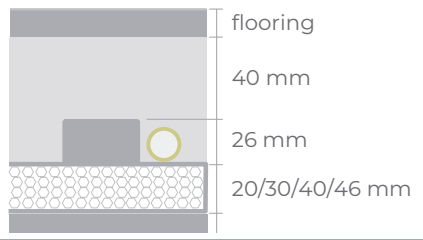


Insulating panel with reliefs made of waterproof moulded expanded polystyrene (according to UNI EN 13163), with closed-cell structure, which has high mechanical resistance. This panel is combined with a special plastic film (UNI EN 1264) in order to protect it from humidity and to improve its resistance to the deformation of the walking surface. Thermal conductivity 0,035 W/(m·K), insulating thickness 20/30/40/46 mm, equivalent total thickness 26,8/36,8/46,8/52,8 mm, thermal resistance according to UNI EN 1264:2021 0,60/0,85/1,10/1,30 (m²·K)/W. These panels have a tongue along the perimeter to connect them for proper combination. They have a moulded surface with reliefs of 26 mm, so that the cross-linked polyethylene pipes Ø17 mm can be fitted into the tabs of the panel at spacing of 5 cm or multiples.



Base thickness	Code
20 mm	1600120 1600120CD
30 mm	1600130 1600130CD
40 mm	1600140
46 mm	1600146

- 1 Skirting board
- 2 Flooring
- 3 Screed
- 4 PE-RT Ø17/ Multilayer Ø16 mm
- 5 Edge insulation strip
- 6 Structural base + levelling
- 7 T 50 Panel
- 8 Reinforcement mesh
- 9 T 50 Clips



FEATURES	LEVEL - CLASS	PANELS (mm)				UNIT
		20	30	40	46	
Necessary Length	L(3)	1200				mm
Necessary Width	W(3)	700				mm
Total Thickness	T(2)	46	56	66	72	mm
Insulation thickness		20	30	40	46	mm
Equivalent thickness		26,8	36,8	46,8	52,8	mm
Compressive stress at 10% deformation	CS(10)150	≥ 150				kPa
Thermal conductivity	λ_D	0,035				W/(m·K)
Thermal resistance	R_D	0,60	0,85	1,10	1,30	(m ² ·K)/W
Water vapour resistance factor	μ (MU)	30 ÷ 70				
Water vapour transmission	δ	0,009 ÷ 0,020				mg/(Pa·h·m)
Long-term water absorption by total immersion	WL(T)5	≤ 5				%
Dimension stability 48h / 70°C	DS(70,-)1	1				%
Size stability 23°C / 50% R.H.	DS(N)2	± 0,2				%
Bending Resistance	BS200	200				kPa
Reaction to fire class		E				Euroclass

Declarations according to UNI EN 13163 : 2013

Unique identification code of the product-type: T2-L3-W3-S2-P5-BS200-CS(10)150-DS(70,-)1-WL(T)5-MU(30-70)