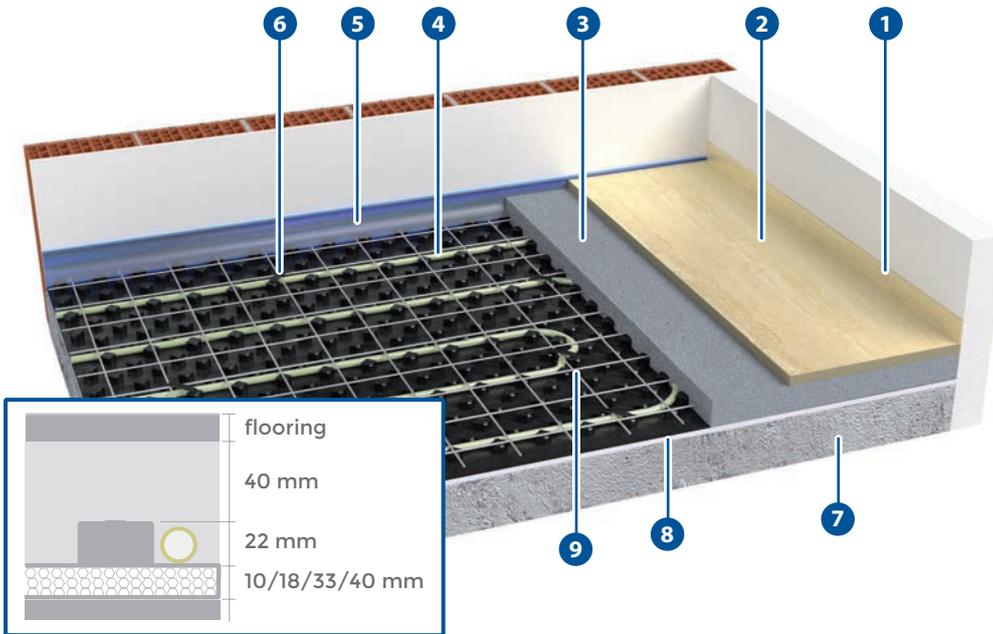


TECHNICAL DATA SHEET



TF-B panel made of expanded polystyrene, produced in conformity with UNI EN 13163, with closed-cell structure. It is combined with thermoformed film in HIPS, thickness 0.6 mm, in order to improve its resistance to the deformation of the walking surface according to EN 1264. Compressive strength according to UNI 826 equal to 150 kPa. Equipped with joints on all four sides for optimal coupling. Wheelbase 5 cm.



Size (mm)	Code
1400x800x10	1045610
1400x800x18	1045618
1400x800x33	1045633
1400x800x40	1045640

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

PROPERTIES	SYMBOL	PANELS (mm)				UNIT	STANDARD
		10	18	33	40		
Necessary Length (±3 mm)	L3	1400				mm	UNI EN 13163:2017
Necessary Width (±3 mm)	W3	800				mm	
Total Thickness (±2 mm)	T2	32	40	55	62	mm	
Insulation thickness (±2 mm)		10	18	33	40	mm	
Equivalent thickness		15	23	38	45	mm	
Weight		390	609	1029	1225	g	
Compressive resistance at 10% deformation	CS(10)150	150				kPa	
Thermal conductivity at 10 °C	λ_b	0,030				W/(m·K)	
Thermal resistance Insulation thickness	R_b	0,30	0,60	1,10	1,30	(m²·K)/W	
Water vapour resistance factor	μ (MU)	50 ÷ 90					
HIPS Water vapour resistance factor		10.000				mg/(Pa·h·m)	
Duration of the fire reaction against aging and/or degradation		Fire performance for EPS does not change as time goes by					
Duration of the thermal resistance against aging and/or degradation		EPS thermal conductivity does not change as time goes by					
Dimensional stability 23 °C / 50 % U.R.		0,2				%	
Reaction to fire class		E				Euroclass	
Water absorption by total immersion	WL(T) 4	≤ 4				%	
Thickness for the thermoformed film in HIPS		600				µm	
Softening temperature		> 90				°C	
Maximum operating temperature		70					
Declarations according to UNI EN 13163:2017							
CLASS: EPS 150	EPS-UNI EN 13163:2017-L3-W3-T2-CS(10)150-WL(T)4-MU(50-90)						

