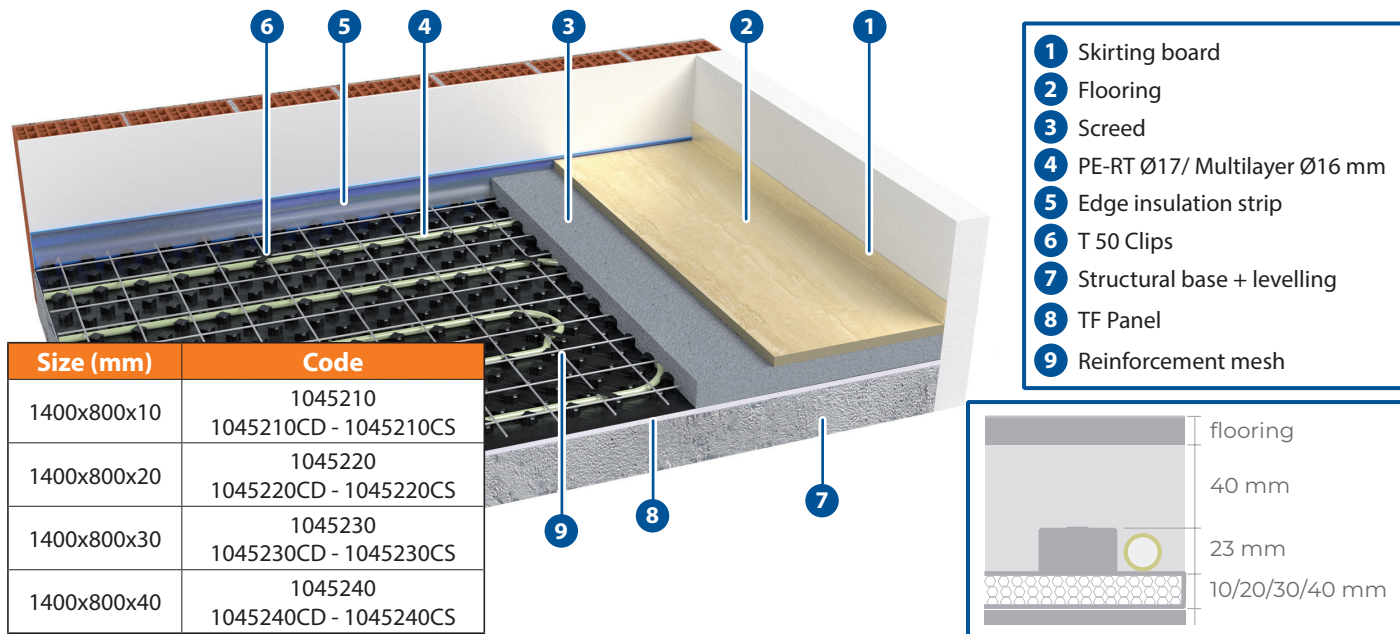


TECHNICAL DATA SHEET



TF 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. Thermal conductivity 0,034 W/(m·K), insulating thickness 10/20/30/40 mm, total thickness 33/43/53/63 mm, equivalent total thickness 13,9/23,9/33,9/43,9 mm, thermal resistance according to UNI EN 1264:2021 0,25/0,55/0,85/1,15 (m²·K)/W. These panels have a tongue along the perimeter to connect them for proper combination, and they have a moulded surface with studs of 23 mm so that the pipes can be fitted into the tabs of the panel at spacing of 5 cm or multiples.



Size (mm)	Code
1400x800x10	1045210 1045210CD - 1045210CS
1400x800x20	1045220 1045220CD - 1045220CS
1400x800x30	1045230 1045230CD - 1045230CS
1400x800x40	1045240 1045240CD - 1045240CS

PROPERTIES	SYMBOL	THICKNESS				UNIT	STANDARD
		10	20	30	40		
Necessary Length (±3 mm)	L3	1400				mm	UNI EN 13163:2015
Necessary Width (±3 mm)	W3	800				mm	
Total Thickness (±2 mm)	T2	33	43	53	63	mm	
Insulation thickness (±2 mm)		10	20	30	40	mm	
Equivalent thickness		13,9	23,9	33,9	43,9	mm	
Weight		≥ 1088	≥ 1291	≥ 1603	≥ 1860	g	
Compressive resistance at 10% deformation	CS(10)150	σ10 ≥ 150				kPa	
Thermal conductivity at 10 °C	λ _b	0,034				W/(m·K)	
Thermal resistance	R _b	0,25	0,55	0,85	1,15	(m ² ·K)/W	
Water vapour resistance factor	μ (MU)	30 ÷ 70					
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 48h / 70 °C		< 1				%	
Reaction to fire class		F				Euroclass	
Water absorption by partial immersion	WL(P) 0,5	≤ 0,5				Kg/m ²	
Thickness for the thermoformed film in HIPS		600				μm	
Softening temperature		> 70				°C	
Decomposition temperature		> 250					
Auto-ignition temperature		> 450					
Declarations according to UNI EN 13163:2015							
CLASS: EPS 150	EPS-UNI EN 13163:2015-T2-L3-W3-S2-P5-CS(10)150-WL(P)0,5-MU(30÷70)						

