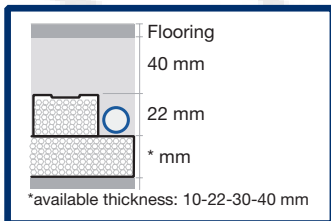
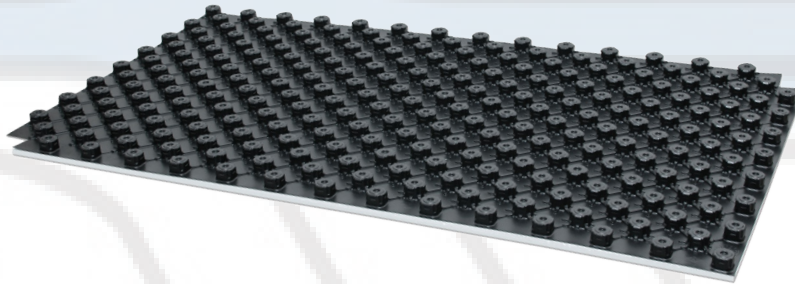


TF-B PANEL

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. Thermal conductivity 0.034 W/(m·K), insulating thickness 10/22/30/40 mm, total thickness 32/44/52/62 mm, equivalent total thickness 13.9/25.9/33.9/43.9 mm, thermal resistance according to UNI EN 13163 0.40/0.75/1.00/1.30 (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 22 mm so that the polyethylene pipes Ø 17 mm can be fitted into the tabs of the panel at spacing of 5 cm or multiples.



Size (mm)	Code
1450x850x10	1045310
1450x850x22	1045322
1450x850x30	1045330
1450x850x40	1045340

PROPERTIES	SYMBOL	THICKNESS				UNIT	STANDARD
		10	22	30	40		
Necessary Length	L1	1450				mm	UNI EN 822
Necessary Width	W1	850				mm	UNI EN 822
Total Thickness	T4	32	44	52	62	mm	UNI EN 823
Insulation thickness		10	22	30	40	mm	
Equivalent thickness		13.9	25.9	33.9	43.9	mm	UNI EN 1264/3
Compressive resistance at 10% deformation	CS(10)150	$\sigma_{10} \geq 150$				kPa	UNI EN 13163:2013
Thermal conductivity at 10 °C	λ_D	0.034				W/(m·K)	
Thermal resistance	R_D	0.40	0.75	1.00	1.30	(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						
Reaction to fire class		E				Euroclass	
Water absorption by partial immersion	WL(P) 0.5	≤ 0.5				%	
Thickness for the thermoformed film in HIPS		600				μm	
Single identification code of the product							
EPS-UNI EN 13163:2013-L3-W3-T2-CS(10)150-WL(T)1-MU(30-70)							

