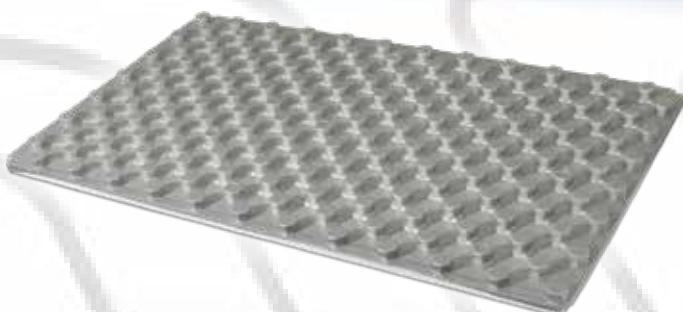


## T50 PANEL



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 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 21/30/40 mm, total thickness 47/56/66 mm, equivalent total thickness 28.8/37.8/47.8 mm, thermal resistance according to UNI EN 13163 0.80/1.05/1.35 (m<sup>2</sup>·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
21 mm	1600020
30 mm	1600030
40 mm	1600040

FEATURES	VALUE			UNIT	STANDARD
	21 mm	30 mm	40 mm		
Size of the panel	1200x700			mm	UNI 822
Thickness of the insulating base	21	30	40	mm	
Total thickness	47	56	66	mm	UNI 823
Thermal conductivity at 10 °C	0.035			W/(m · K)	UNI EN 12667
Resistance to compression with 10% deformation	120			kPa	UNI 826
Thermal resistance	0.80	1.05	1.35	(m <sup>2</sup> · K)/W	UNI EN 13163
Equivalent total thickness	28.8	37.8	47.8	mm	UNI EN 1264-3
Water vapour diffusion resistance factor	30 a 70			1	UNI EN 12086
Water absorption for long term	<5.0			%	UNI EN 12087
Size stability in constant, normal lab conditions	+/- 0,2			%	UNI EN 1603
Size stability in temperature and humidity conditions	+/- 1,0			%	UNI EN 1604
Limit of operating temperature	70			°C	
Thickness of the combined film	160			µm	
Resistance to fire	E			Euroclasse	EN 13501-1

