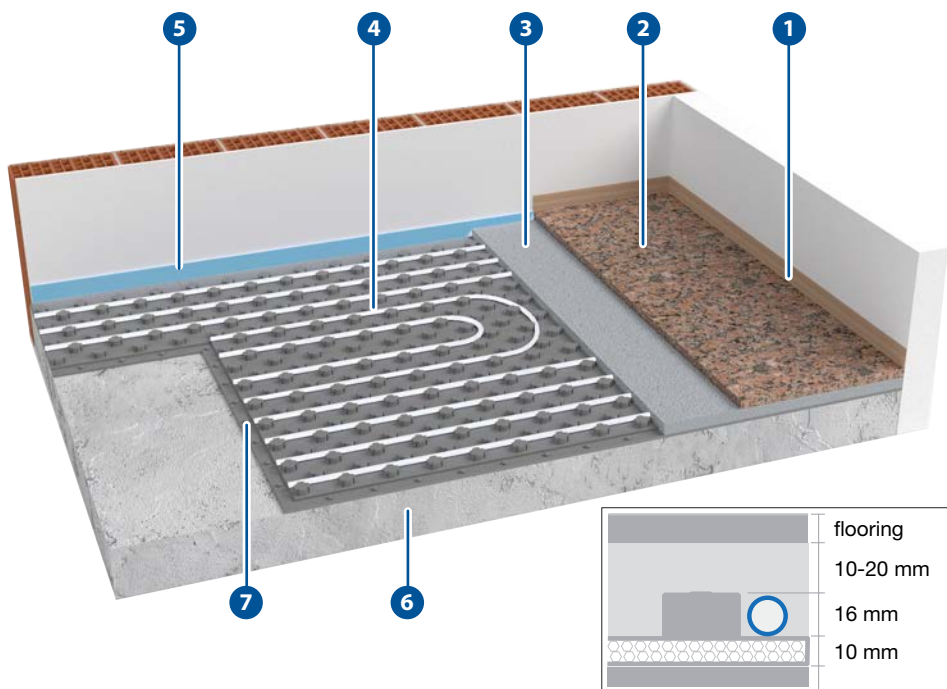


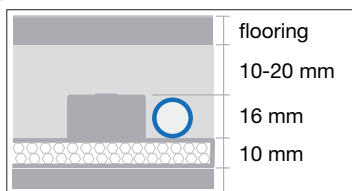
TECHNICAL DATA SHEET



Super D studded panel made of expanded polystyrene with graphite, produced in conformity with UNI EN 13163, designed with closed-cell structure and high compression strength (≥ 500 kPa). Thermal conductivity $0,0032$ W/(m·k). Equipped with joints on all four sides for optimum coupling, upper surface without plastic film and shaped with 16 mm elevations for the installation of $\varnothing 12 \times 1,3$ mm polybutylene pipes at multiple spacings of 4 cm. Dimensions: $1200 \times 640 \times 10$ mm.



- 1 Skirting board
- 2 Flooring
- 3 Concrete
- 4 PB pipe $\varnothing 12$ mm
- 5 Perimeter belt
- 6 Stable, solid and planar subfloor
- 7 Super D panel



Thickness	Code
10 mm	1500110

CHARACTERISTICS	SYMBOL	10 mm	UNIT	STANDARD
Necessary length	L3	1200	mm	UNI EN 822
Necessary width	W3	640	mm	UNI EN 822
Total thickness	T2	26	mm	UNI EN 823
Insulation base thickness		10	mm	
Equivalent thickness		13,3	mm	UNI EN 1264/3
Resistance to compression with 10% deformation	CS(10)	≥ 500	kPa	UNI EN 826
Thermal conductivity 10°C	λ_b	0,032	W/(m·K)	UNI EN 13163
Thermal resistance	R_b	0,30	(m ² ·K)/W	UNI EN 1264:2021
Water vapour diffusion resistance factor	μ (MU)	40 ÷ 100		UNI EN 12086
Water vapour permeability	δ	0,006 ÷ 0,015	mg/(Pa·h·m)	UNI EN 12086
Dimension stability 48 h / 70°C	DS(70,-)	≤ 1	%	UNI EN 1604
Fire reaction		E	Euroclass	UNI EN 13501-1
Long-term water absorption by total immersion	WL(T)	≤ 5	%	UNI EN 12087
Limit of operating temperature		70	$^\circ\text{C}$	
Specific heat	C	1210	J/kg·°k	UNI EN 10456
Declaration according to UNI EN 13163 EPS-EN 13163-T2-L3-W3-S2-P5-BS 750-CS(10)500-DS(70,-)1-WL(T)5-MU(40-100)				