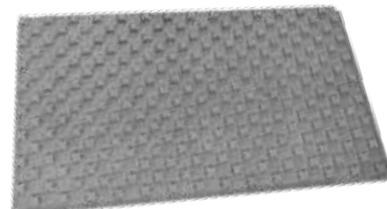
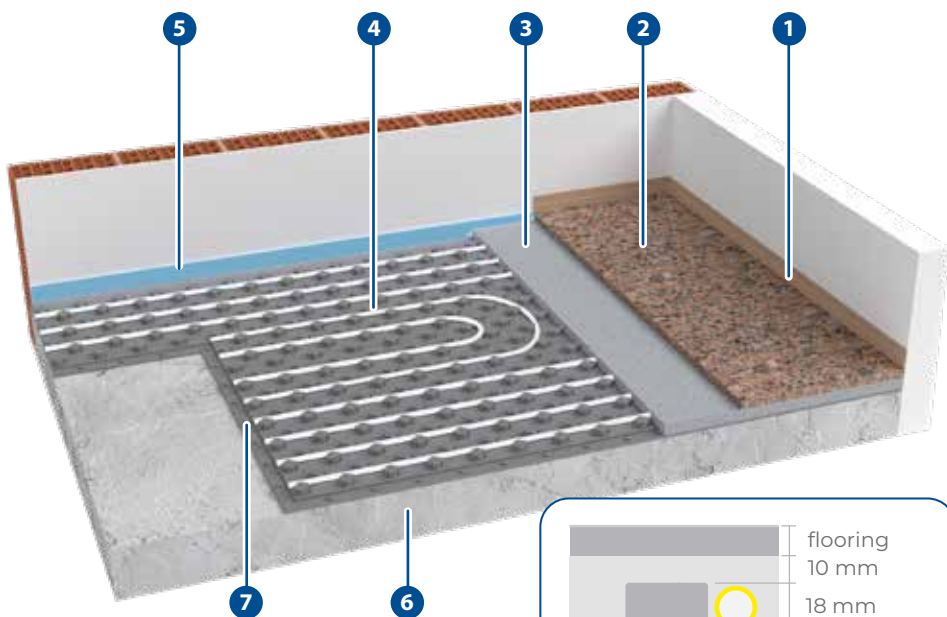


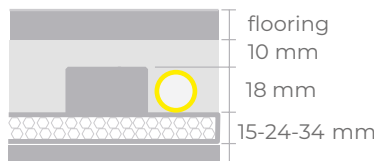
TECHNICAL DATA SHEET



Neo Super D17 studded panel made of sintered expanded polystyrene with graphite complying with UNI EN 13163. It's characterized by an high compressive strength (500 kPa). Thermal conductivity: 0,032 W/(m·k). Equipped with grooves on all four sides for optimal coupling and a moulded surface with 18 mm reliefs to accommodate PE-Xa pipes \varnothing 17-13 mm at multiple centre distances of 5 cm. Dimensions: 1400x800 x 15/24/34 mm.



- 1 Skirting board
- 2 Flooring
- 3 Concrete
- 4 PE-Xa pipe \varnothing 17 mm
- 5 Perimeter belt slim 9
- 6 Stable, solid and planar subfloor
- 7 Neo Super D17 panel



Thickness	Code
15 mm	1500315E
24 mm	1500324E
34 mm	1500334E

CHARACTERISTICS	SYMBOL	15 mm	24 mm	34 mm	UNIT	STANDARD
Necessary length	L3	1400			mm	UNI EN 13163:2017
Necessary width	W3	800			mm	
Total thickness	T2	33	42	52	mm	
Insulation base thickness		15	24	34	mm	
Equivalent thickness		20	29	39	mm	
Resistance to compression with 10% deformation	CS(10)	500			kPa	
Thermal conductivity 10 °C	λ_D	0,032			W/(m·K)	
Thermal resistance	R_D	0,45	0,75	1,05	(m ² ·K)/W	
Water vapour diffusion resistance factor	μ (MU)	40 ÷ 100				
Water vapour permeability	δ	0,006 ÷ 0,015			mg/(Pa·h·m)	
Dimension stability 48 h / 70 °C	DS(70,-)1	1			%	
Fire reaction		E			Euroclass	
Long-term water absorption by total immersion	WL(T)	≤ 5			%	
Limit of operating temperature		70			°C	
EPS panel weight		1150 (± 7%)	1740 (± 7%)	2440 (± 7%)	g	
Specific heat	C	1450			J/kg·°k	
Class: EPS 500						
Declaration according to UNI EN 13163		EPS-UNI EN 13163:2017-L3-W3-T2-CS(10)500-WL(T)5-MU(40-100)				

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