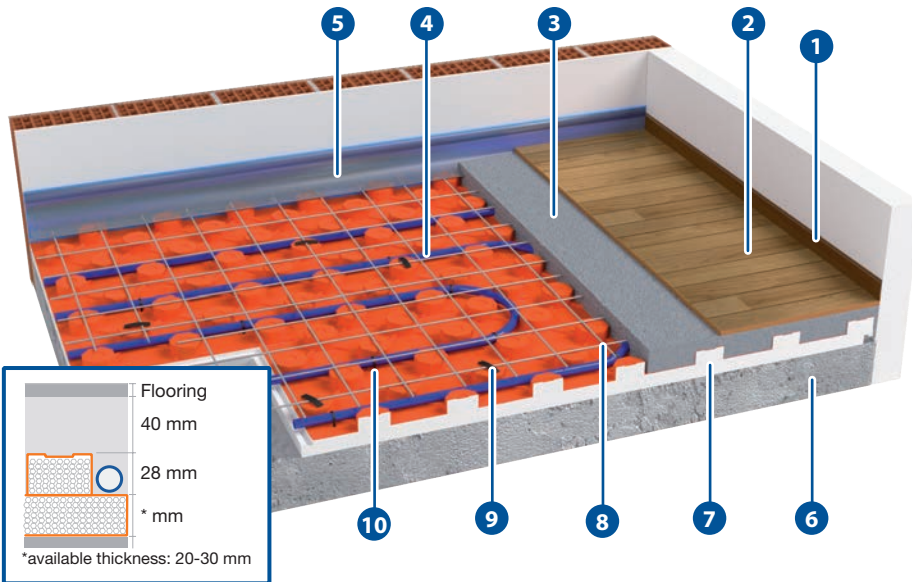


## TECHNICAL DATA SHEET



Acoustic Plus panel with studs made of stretch, expanded, sintered polystyrene with double density, ideal for thermal and acoustic insulation. Acoustic Plus panel is combined with a special plastic film, thickness 0,15 mm, which protects it from humidity and improves its resistance to the deformation of the walking surface. These panels have a tongue along the perimeter to connect them for proper combination, and they have a moulded surface with studs of 28 mm, so that the cross-linked polyethylene pipes  $\varnothing$  17 mm can be fitted into the tabs of the panel with spacing of 8,3 cm or multiples.



Size (mm)	Code
1161x663x20	1054040
1161x663x30	1054050

- 1 Skirting board
- 2 Flooring
- 3 Concrete
- 4 PE-Xc pipe  $\varnothing$  17-13
- 5 Perimeter belt
- 6 Structural base + levelling
- 7 Acoustic Plus panel
- 8 Anti-shrinkage mesh
- 9 Fixing Clips
- 10 Hooked Clips

PROPERTIES	SYMBOL	20 mm	30 mm	UNIT	STANDARD
Necessary Length	L1	1161		mm	UNI EN 822
Necessary Width	W1	663		mm	UNI EN 822
Total Thickness	T4	48	58	mm	UNI EN 823
Insulation thickness		20	30	mm	
Equivalent thickness		30,5	40,5	mm	UNI EN 1264/3
Compressibility	CP3	$\leq 3$		mm	UNI EN 12431
Max load on the surface		$\leq 4$		kPa	UNI EN 1191-2-1
Thermal conductivity at 10 °C	$\lambda_d$	0,037		W/(m·K)	UNI EN 13163
Thermal resistance	$R_d$	0,50	0,800	(m <sup>2</sup> ·K)/W	UNI EN 1264:2021
Dynamic stiffness SD	SD	$\leq 15$	$\leq 20$	mN/m <sup>3</sup>	EN 29052-1
Riduzione del livello sonoro da calpestio Footstep sound absorption	$\Delta L_w$	29 *	26	dB	UNI EN ISO 140-8
Water vapour resistance factor	$\mu$ (MU)	40 ÷ 100			UNI EN 12086
Water vapour transmission	$\delta$	0,006 ÷ 0,015		mg/(Pa·h·m)	UNI EN 12086
Dimension stability 48h/70°C	DS(70,-)	1		%	UNI EN 1604
Reaction to fire class		F		Euroclass	UNI EN 13501-1
Water absorption by partial immersion	Wlp	$\leq 0,5$		kg/m <sup>2</sup>	UNI EN 12087
Long-term water absorption by total immersion	WL(T)	$\leq 3$		%	UNI EN 12087
Max operating temperature		70		°C	
Weight		660	760	g	
Specific heat	C	1450		J/kg·°k	UNI EN 10456
HIPS Foil thickness		140 ÷ 150		$\mu$ m	

\* : according to UNI EN 12354-2 with floating floors of 80kg/m<sup>2</sup>

### Declarations according to UNI EN 13163

**20 mm** - Class: EPS T, Identification code: EPS T-EN 13163-T0-L3-W3-S2-P5-DS(70,-)1-WL(T)3-SD15-CP3-MU(40÷100)

**30 mm** - Class: EPS T, Identification code: EPS T-EN 13163-T0-L3-W3-S2-P5-DS(70,-)1-WL(T)3-SD20-CP3-MU(40÷100)

