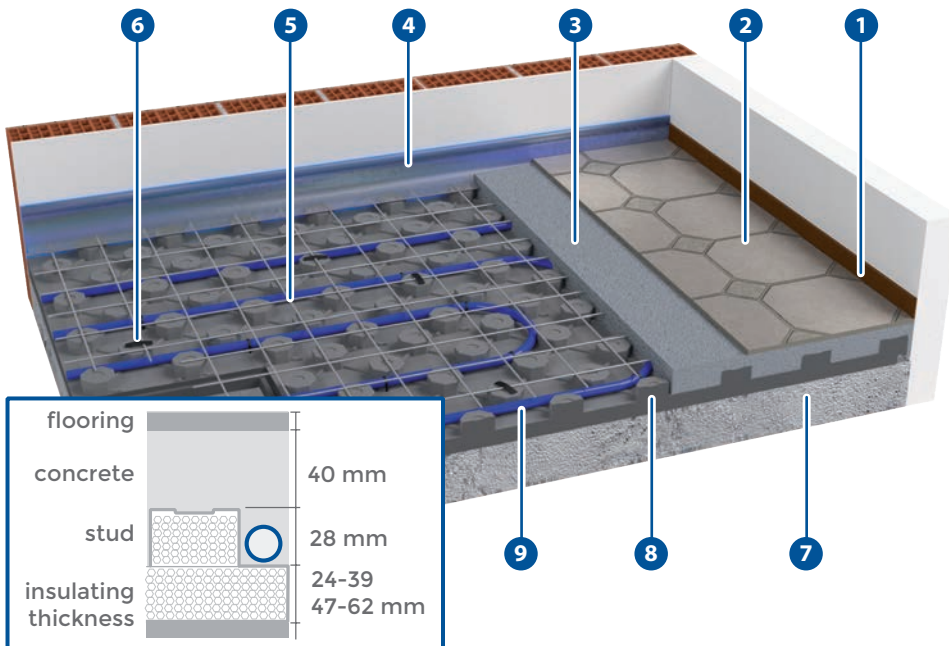


## TECHNICAL DATA SHEET



Cover HP studded insulation panel, made of waterproof sintered polystyrene with graphite according to UNI EN 13163, closed-cell structure and high mechanical resistance. This panel is covered by a special plastic foil, thickness 0,15 mm, in order to protect it from humidity and to improve its resistance to the deformation of the walking surface. Thermal conductivity 0,031 W/(m·K). Edge alignment for ensuring a precise interlocking of the panels. Upper surface with 28-mm studs to secure cross-linked polyethylene pipes Ø 17 mm. Pipe spacing of 8,3 cm.



Height	Code
24 mm	1056324
39 mm	1056339
47 mm	1056347
62 mm	1056362

- 1 Skirting board
- 2 Flooring
- 3 Screed
- 4 Edge insulation strip
- 5 Reinforcement mesh
- 6 Fixing clips
- 7 Subfloor
- 8 COVER HP panel
- 9 PE-Xc pipe Ø 17-13

PROPERTIES	SYMBOL	24	39	47	62	UNIT	STANDARD
Necessary Length	L3	1161				mm	UNI EN 822
Necessary Width	W3	663				mm	UNI EN 822
Total Thickness	T2	52	67	75	90	mm	UNI EN 823
Insulation thickness		24	39	47	62	mm	
Equivalent thickness		32,97	47,97	55,97	70,97	mm	UNI EN 1264/3
Compressive stress at 10% deformation	CS(10)	120				kPa	UNI EN 826
Compressive stress at 5% deformation		85				kPa	
Compressive stress at 2% deformation		52				kPa	
Thermal conductivity at 10 °C	$\lambda_D$	0,031				W/(m·K)	UNI EN 13163
Thermal resistance	$R_D$	0,75	1,25	1,50	2,00	(m <sup>2</sup> ·K)/W	UNI EN 1264:2021
Water vapour resistance factor	$\mu$ (MU)	30 ÷ 70					UNI EN 12086
Water vapour transmission	$\delta$	0,010 ÷ 0,024				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	W <sub>lp</sub>	0,5				kg/m <sup>2</sup>	UNI EN 12087
Long-term water absorption by total immersion	WL(T)	≤ 3				%	UNI EN 12087
Max operating temperature		70				°C	
Weight		723	1050	1226	1553	g	
Specific heat	C	1210				J/kg <sup>°</sup> k	UNI EN 10456
HIPS Foil thickness		150				µm	

### Declarations according to UNI EN 13163

Class: 120

Unique identification code of the product-type: EPS-EN 13163-T2-L3-W3-S2-P5-BS 170-CS(10)120-DS(70,-)1-WL(T)3-MU(30-70)

