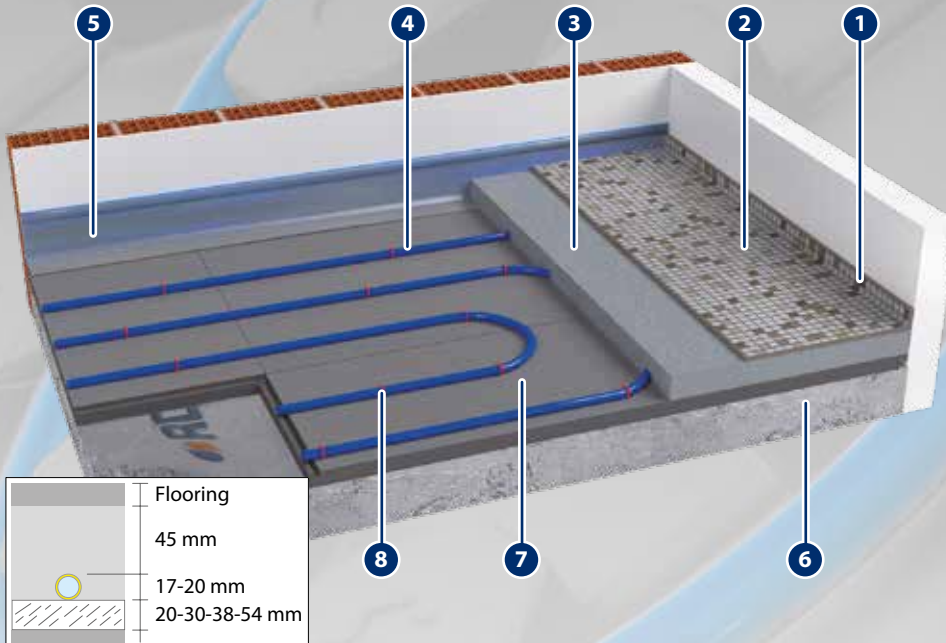


## SMOOTH COVER HP



Smooth Cover HP panel made of waterproof expanded polystyrene according to UNI EN 13163 with 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 ensuring a precise interlocking of the panels. Pipe spacing of 8.3 cm.



Base height	Code
20 mm	1056420
30 mm	1056430
38 mm	1056438
54 mm	1056454

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

—	Flooring
—	45 mm
—	17-20 mm
—	20-30-38-54 mm

PROPERTIES	SYMBOL	20	30	38	54	UNIT	STANDARD
Necessary Length	L1	1161				mm	UNI EN 822
Necessary Width	W1	663				mm	UNI EN 822
Total Thickness	T4	20	30	38	54	mm	UNI EN 823
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	$\lambda_p$	0.031				W/(m·K)	UNI EN 13163
Thermal resistance	$R_p$	0.60	0.95	1.20	1.70	(m <sup>2</sup> ·K)/W	UNI EN 13163
Transmittance	U	1.75	1.16	1.03	0.86	W/(m <sup>2</sup> ·K)	
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	Wlp	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		480	670	780	1090	g	
Specific heat	C	1210				J/kg·°k	UNI EN 10456
HIPS Foil thickness		150				µm	
<b>Declarations according to UNI EN 13163</b>							
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)							

