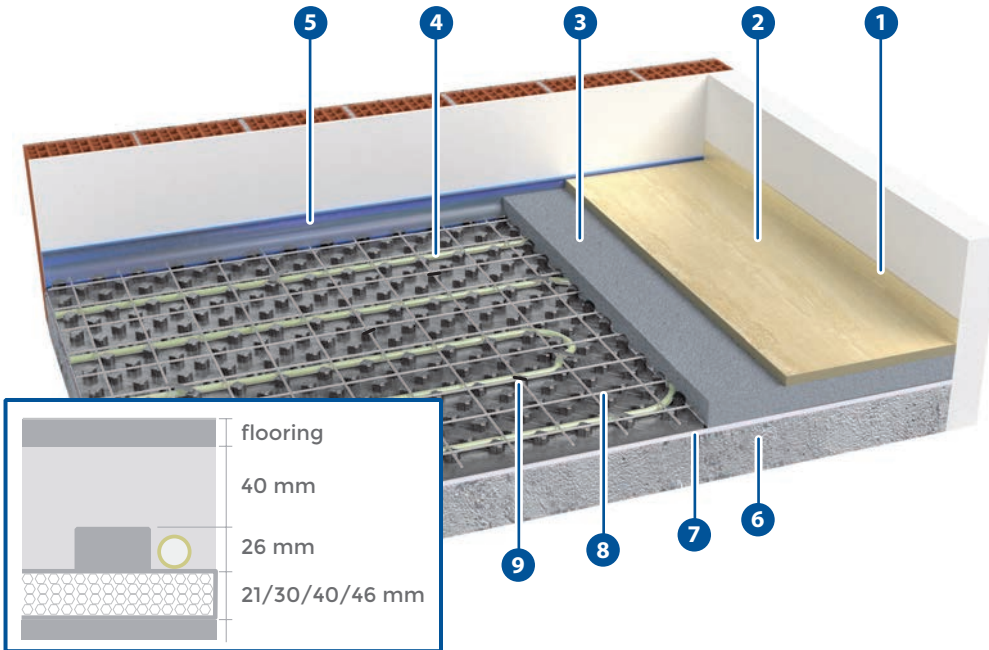


TECHNICAL DATA SHEET

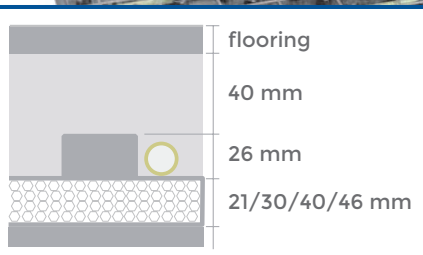


Insulating panel with reliefs made of waterproof moulded expanded polystyrene (according to UNI EN 13163), with closed-cell structure, which has high mechanical resistance. This panel is combined with a special plastic film (UNI EN 1264) in order to protect it from humidity and to improve its resistance to the deformation of the walking surface. Thermal conductivity 0,035 W/(m·K), insulating thickness 21/30/40/46 mm, equivalent total thickness 27,8/36,8/46,8/52,8 mm, thermal resistance according to UNI EN 1264:2021 0,60/0,85/1,10/1,30 (m²·K)/W. These panels have a tongue along the perimeter to connect them for proper combination. They have a moulded surface with reliefs of 26 mm, so that the cross-linked polyethylene pipes Ø17 mm can be fitted into the tabs of the panel at spacing of 5 cm or multiples.



| Base thickness | Code |
|----------------|---------|
| 21 mm | 1600120 |
| 30 mm | 1600130 |
| 40 mm | 1600140 |
| 46 mm | 1600146 |

- 1 Skirting board
- 2 Flooring
- 3 Screed
- 4 PE-RT Ø17/ Multilayer Ø16 mm
- 5 Edge insulation strip
- 6 Structural base + levelling
- 7 T 50 Panel
- 8 Reinforcement mesh
- 9 T 50 Clips



| FEATURES | LEVEL - CLASS | PANELS (mm) | | | | UNIT |
|---|---------------|---------------|------|------|------|-----------------------|
| | | 21 | 30 | 40 | 46 | |
| Necessary Length | L(3) | 1200 | | | | mm |
| Necessary Width | W(3) | 700 | | | | mm |
| Total Thickness | T(2) | 47 | 56 | 66 | 72 | mm |
| Insulation thickness | | 21 | 30 | 40 | 46 | mm |
| Equivalent thickness | | 27,8 | 36,8 | 46,8 | 52,8 | mm |
| Compressive stress at 10% deformation | CS(10)150 | ≥ 150 | | | | kPa |
| Thermal conductivity | λ_D | 0,035 | | | | W/(m·K) |
| Thermal resistance | R_D | 0,60 | 0,85 | 1,10 | 1,30 | (m ² ·K)/W |
| Water vapour resistance factor | μ (MU) | 30 ÷ 70 | | | | |
| Water vapour transmission | δ | 0,009 ÷ 0,020 | | | | mg/(Pa·h·m) |
| Long-term water absorption by total immersion | WL(T)5 | ≤ 5 | | | | % |
| Dimension stability 48h / 70°C | DS(70,-)1 | 1 | | | | % |
| Size stability 23°C / 50% R.H. | DS(N)2 | ± 0,2 | | | | % |
| Bending Resistance | BS200 | 200 | | | | kPa |
| Reaction to fire class | | E | | | | Euroclass |

Declarations according to UNI EN 13163 : 2013

Unique identification code of the product-type: T2-L3-W3-S2-P5-BS200-CS(10)150-DS(70,-)1-WL(T)5-MU(30-70)

