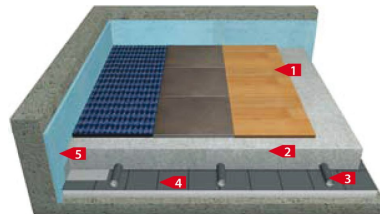


Application Sheet

BasicRail / BasicClip - Cement Screed

Carpet / Tiles / Parquet /
Laminate / Synthetics



- | | | |
|---|---|-------|
| 1 | Carpet / tiles / parquet | |
| 2 | Cement screed | 85 mm |
| 3 | FH composite pipe / FH PE-RT pipe (16 mm) | |
| 4 | Basic Insulation overlap panels 20-2 | 20 mm |
| 5 | Basic perimeter insulation | |

Technical Data

Floor finish	NA	mm	Carpet / tiles / parquet / laminate / synthetics
Construction height	105	mm	Height excluding floor finish
Weight	~ 176	kg/m ²	Weight excluding floor finish
Thermal resistance (R)	0.44	m ² K/W	Thermal resistance value for Basic overlap panel
Thermal transmission coefficient (U)	1.63	W/m ² K	Be aware that building regulations can specify better thermal insulation
Distribution load	≤ 2.0	kN/m ²	
Point load (≥ 20 cm²)	≤ 2.0	kN	
Impact subsonic noise reduction	26	dB	Calculated value according to DIN 4109; applies to concrete slabs thicker than 12 cm (DIN 4109: m ² > 276 kg/m ²)

Application area	Rooms in residential buildings and houses; bedrooms and wards in hospitals; bedrooms in hotels and hostels kitchens and toilets. Corresponding to category A of EN 1991. Office areas. Corresponding to category B of EN 1991.
Requirements & special features	The screed thicknesses must be adjusted in case of higher design load or point load values. Structural sealing according to EN 13967 must be placed beneath the floor panel in case of structures facing the ground, and otherwise on the unfinished floor. Observe all installation instructions and manufacturer's instructions.
Additional insulation	For thermal resistance table and insulation thickness, please refer to the Basic handbook.
Construction	Referring to EN 1264, ISO EN 140-8, EN 1991, EN 13813, EN 13967 and local building regulations.

Construction number	542
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