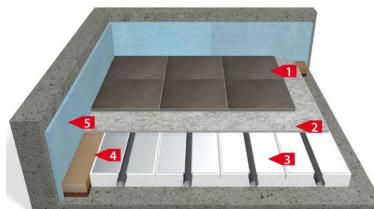


Application Sheet

SpeedUp - Strongboard for Tile and Laminate on Concrete Substrate

Tile / Natural Stone



1 Tile / natural stone incl. adhesive	≥ 12 mm
2 Strongboard for tile and laminate	5 mm
3 SpeedUp heat panel + FH composite pipe	30 mm
4 Support batten (30 mm)	
5 SpeedUp perimeter insulation	

Technical Data

Floor finish	≥ 8	mm	Tile size: 10 x 10 cm minimum; 40 x 60 cm maximum; natural stone thickness: 10 mm or more; joint width: 3 mm or more
Construction height	≥ 47	mm	Height including floor finish
Weight	~ 37	kg/m ²	Weight including floor finish
Thermal resistance (R)	0.86	m ² K/W	Thermal resistance value for SpeedUp panel
Thermal transmission coefficient (U)	0.97	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	Sum point load \leq design load; please notice special heavy objects (aquaria etc.)
Impact subsonic noise reduction	18	dB	Test value according to ISO 140-8; applies to concrete slabs thicker than 12 cm

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	A level, smooth and structurally sound surface is necessary for full surface contact with the heating elements (maximum unevenness allowed is 3 mm per 1 m). Header panels and cut modular panels at the edges of the area must be glued to the substrate. Strongboard is only approved for use with Danfoss components. Lay tiles using the combined method with Mapei adhesive and Elastorapid (see installation instructions). 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 maximum thickness of additional insulation and recommended minimum thermal resistance values, please refer to the SpeedUp handbook.
Construction	Referring to EN 1264, EN 1991, EN 13967 and local building regulations.

Construction number	504
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