

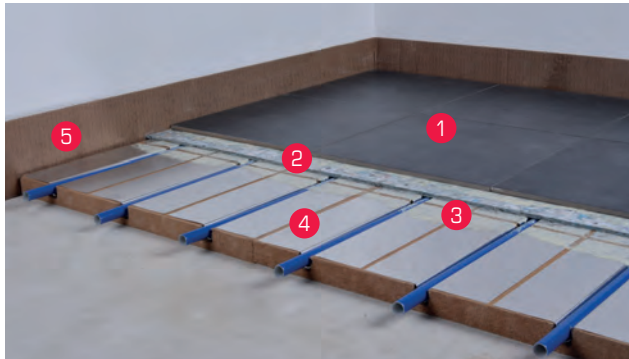
Floor installation

QuickFloor FL for tiles



Basic installation

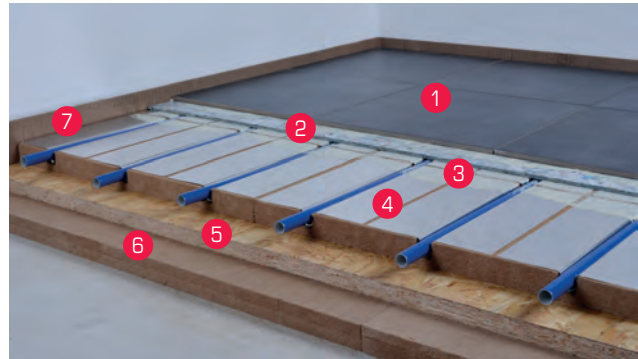
Advisable for upper floors and for lower installation heights



1 Tiles (incl. adhesive)	≥ 10 mm
2 QuickFloor FL	7 mm
3 Adhesive	
4 GreenLine system panel + MVR heating pipe	30 mm
5 Edge insulation strips	
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Total installation height approx.	≥ 47 mm

Extended installation with additional insulation

Advisable for the ground floor or cellar and for larger installation heights



1 Tiles (incl. adhesive)	≥ 10 mm
2 QuickFloor FL	7 mm
3 Adhesive	
4 GreenLine system panel + MVR heating pipe	30 mm
5 OSB panel	22 mm
6 Additional insulation	30 mm
7 Edge insulation strips	
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Total installation height approx.	≥ 99 mm

Technical data	Basic installation	Extended installation
Heating circuit length	ø 80 – 90 m (~ 15 m²) max. 110 m	
Additional heat insulation	20 – 40 mm wood fibre insulation ≥ 150 kPa	
Weight	16 – 34 kg / m² (without floor covering)	
Surface load Point load	1.5 kN / m² 1.0 kN	1.5 kN / m² 1.0 kN
Minimum thermal conductivity resistance R	≥ 0.75 m²K / W ✓ DIN EN 1264: Floors in mezzanine floors	≥ 1.25 m²K / W ✓ DIN EN 1264: Floors on ground floors / cellars

Important information	
Base requirements (accord. DIN 18202 table 3, line 4)	Bases must be level, stable and able to take a load. Unevenness > 3 mm at 1 m length must be compensated.
Compensation of unevenness (according to degree of unevenness)	0 – 10 mm: Floor levelling paste 10 – 50 mm: Floor levelling paste, thin screed from 40 mm: Light concrete
Special aspects	Fix QuickFloor FL on heating elements. Tape joints with textile tape. Only attach tiles with Mapei Elastorapid. Only fill joints with Mapei UltracolorPlus. Reinforce doorways and kitchen units with Stabi Fix. Use plastic coated, cementitious sealing slurries such as Mapelastic or Monolastic by Mapei for waterproofing in damp rooms.

Performance table

Floor covering	Room temperature	Heating water temperature							
		30°C		35°C		40°C		45°C	
		W / m ²	ST	W / m ²	ST	W / m ²	ST	W / m ²	ST
Floor covering $R_{\lambda,B} = 0.00 \text{ m}^2 \text{ K} / \text{W}$ Tiles	20 °C	41.0	23.8	62.2	25.8	83.2	27.7	104.3	29.7
	24 °C	23.6	26.2	45.2	28.2	66.4	30.1	87.4	32.1
Floor covering $R_{\lambda,B} = 0.15 \text{ m}^2 \text{ K} / \text{W}$ Tiles	20 °C	38.1	23.5	57.8	25.4	77.4	27.2	97.0	29.0
	24 °C	21.9	26.0	42.1	27.9	61.8	29.7	81.4	31.5

W / m² – System heating performance
ST – Surface temperature

Installation



Sample laying plan

