

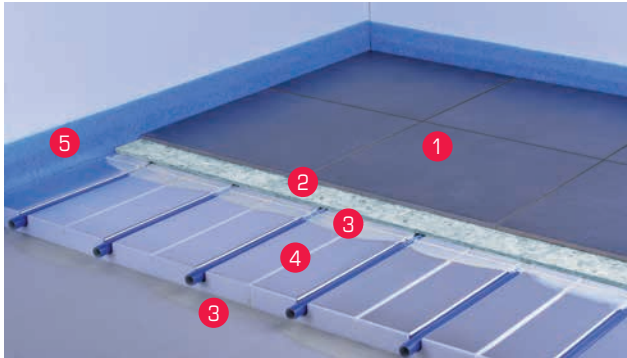
Floor installation

QuickFloor FL for tiles



Basic installation

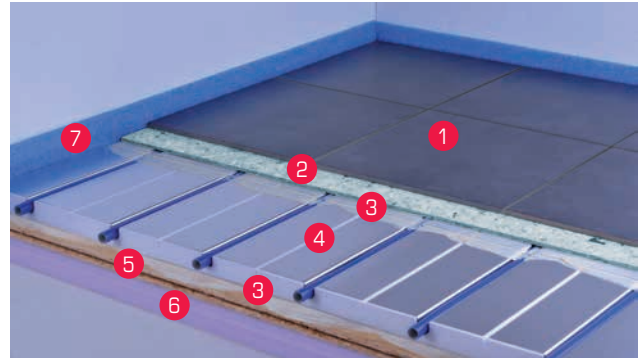
Advisable for upper floors and for lower installation heights



1	Tiles (incl. adhesive)	≥ 10 mm
2	QuickFloor FL	7 mm
3	Adhesive	
4	QuickTherm system panel & MVR heating pipe	30 mm
5	Edge insulation strips	
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	QuickTherm system panel & MVR heating pipe	30 mm
5	OSB panel	15 mm
6	Additional insulation	≥ 20 mm
7	Edge insulation strips	
Total installation height approx.		≥ 82 mm

Technical data	Basic installation	Extended installation
Heating circuit length	ø 80 – 90 m (~ 15 m²) max. 110 m	
Additional heat insulation	20 – 60 mm XPS DEO (e. g. Styrodur)	
Weight	38 – 40 kg / m²	
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 (acc. 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	Fixing system panels to the base. Fixing QuickFloor FL on heating elements. Taping joints with textile tape. Only attach tiles with Mapei Elastorapid. Only fill joints with Mapei UltracolorPlus. Reinforce doorways and kitchen units with Stabi Fix. For a compound seal in bathrooms, a plastic-refined, cement-based sealing compound Mapelastic or Monolastic from MAPEI or equivalent STRONGBOARD FL is suitable!

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 $R_{\lambda,B} = 0.015 \text{ m}^2 \text{ K} / \text{W}$ 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 output
ST – surface temperature

Laying



Sample laying plan

