

LOW PROFILE FLOOR CONSTRUCTION

MERCURY MAIA - CASTELLATED PANEL



UNDERFLOORHEATING
DESIGN | SUPPLY | INSTALLATION

MERCURY MAIA is a low-profile floor construction, suitable for most room sizes. MAIA can be installed on any existing screed, timber or tiled floor and is the perfect system for retrofit underfloor heating.

The MAIA floor system is designed with castellated panels featuring holes to enable the levelling compound to spread and bond firmly with the primed substructure. 10mm pipe is then simply clicked into the panels and the rear of the panel has an adhesive back to assist in securing the panel to the floor during installation. Self-adhesive edging strip allows for a seal along the walls and the bottom surface.

Mapei Ultraplan Renovation Screed is then placed above the raised castellation resulting in a minimum height of just 15mm. After a short drying time, the floor coverings can be laid directly to the surface of the levelling screed. As the UFH pipe is just below the top layer, heat-up times are short and the system can be operated at lower water temperatures.

- Due to the pipe being close to the surface of the floor covering, this system can be run at cooler temperatures and still achieve fantastic output. Ideal for use with heat pumps
- The pipe and manifold should be pressure tested following installation.

TOP TIPS!



Base material:	Polystyrol
Thermal Conductivity:	0.12 W/mK R value = 0.18 m²K/W
Panel Dimensions/ thickness	1120mm x 720mm x12mm
Max traffic Load:	5.0 kN/m²
Pipe Dimensions:	10 mm
Pipe centres:	50mm, 100mm or 150mm
Min. bending radius	50mm

- ① Floor covering
- ② Renovation screed
- ③ Castellated panels
- ④ 10mm UFH pipe
- ⑤ Primer
- ⑥ Perimeter insulation
- ⑦ Concrete sub-floor

☎ 01202 894976 ✉ sales@ufhn.co.uk 🌐 www.ufhn.co.uk

UFHN LTD.

Mercury House | Fernside Park | Johnson Road | Ferndown Industrial Estate | Dorset | BH21 7SE

Registered in England Company Reg No: 5274176 VAT no: 846 4547 00 Registered Office: Mercury House, Fernside Park, Johnson Road, Ferndown Industrial Estate, Dorset, BH21 7SE
Yorkshire Office: Beck Mill, Reva Syke Road, Bradford, BD14 6QY.

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