

CELLECTA XFLO® Micro low profile UFH insulation boards bonded to resilient layer  
 Tiles or wooden floor covering  
 In-situ concrete slab supported by profiled metal deck

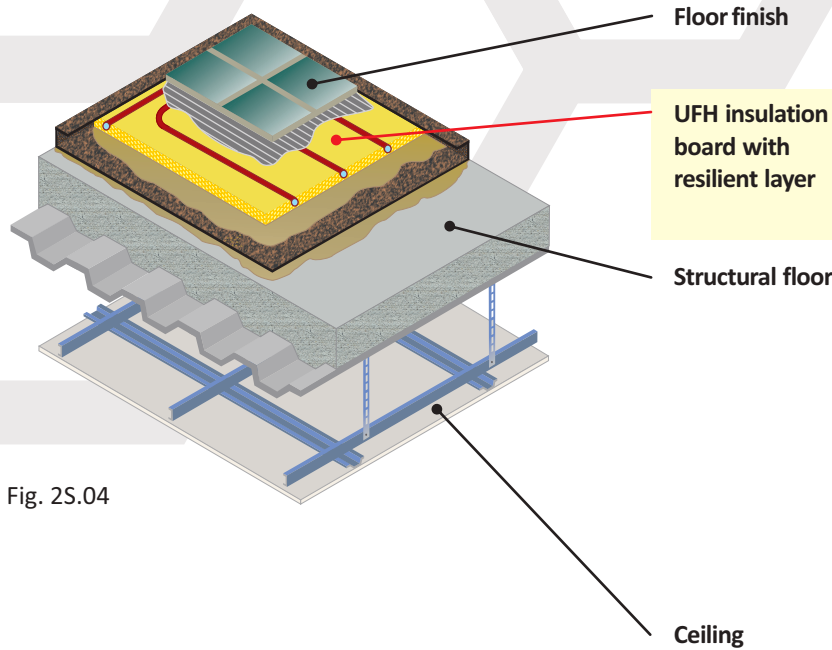


Fig. 2S.04

**Floor finish**  
 Ceramic, stone, porcelain tiles  
 Wooden flooring

**UFH insulation board with resilient layer**  
 CELLECTA XFLO® Micro TB low profile underfloor heating insulation board adhered to CELLECTA RUBBERfon® ULTRAtop 3, 5 fully bonded to concrete slab

**Structural floor**  
 In-situ concrete slab supported by profiled metal decking:

- “Shallow” or “deep” profiled metal decking
- Overall distance from top surface of concrete to underside of ceiling treatment 300mm (min)
- Concrete thickness 80mm (min) at shallowest point and 130mm (min) at deepest point
- Concrete density 2200kg/m<sup>3</sup> (min)

See Table 2S.04b for ceiling treatment options

Table 2S.04a

### Installation Options

**Low profile UFH board adhered to resilient layer bonded to level floor slab**

- 1** XFLO® Micro TB 15, 18, 20, 25  
 Ultra high compressive strength, tile membrane faced insulation board:  
 Dimensions: 15, 18, 20, 25mm x 600mm x 1200mm  
 Compressive strengths available: 500kPa  
 Pipe centre: 150, 200mm  
 Pipe bore size (OD): 10 - 16mm (manufactured to suit)
- 2** RUBBERfon® ULTRAtop 3, 5  
 High density recycled rubber/cork  
 Dimensions: 3mm x 1m x 15m, 5mm x 1m x 12m
- A** CELLECTA HB724  
 High bond floor adhesive  
 Coverage: 14L/46m<sup>2</sup>
- P** UFH water pipe (by others)

**Low profile UFH board adhered to resilient layer bonded to levelled floor slab**

- 4** CELLECTA RL24  
 Rapid drying levelling screed  
 Size: 20kg bag  
 Coverage: 4m<sup>2</sup> @3mm

Table 2S.04b

### Ceiling Treatment Options

Any ceiling system  
 One layer of nominal 8kg/m<sup>2</sup> gypsum-based board

**Construction notes**  
 Slab/levelling screed must be to SR2 Standard before installing treatment. Materials must be installed in accordance with manufacturers' instructions to achieve required acoustic performance values. Wall treatments MUST be isolated from the floating floor with the RUBBERfon ULTRAtop.

## Acoustic Performance

**Airborne:** 47dB  $D_{nT,w} + C_{tr}$   
**Impact:** 57dB  $L_{nT,w}$

PCT values quoted are typical, based on the treatment being installed correctly and pre-completion tested, with airborne performance tested in accordance with BS EN ISO 140-4:1998 and impact performance tested in accordance with BS EN ISO 140-7: 1998.

## Third Party Accreditation and Approvals



## Environmental Credentials

