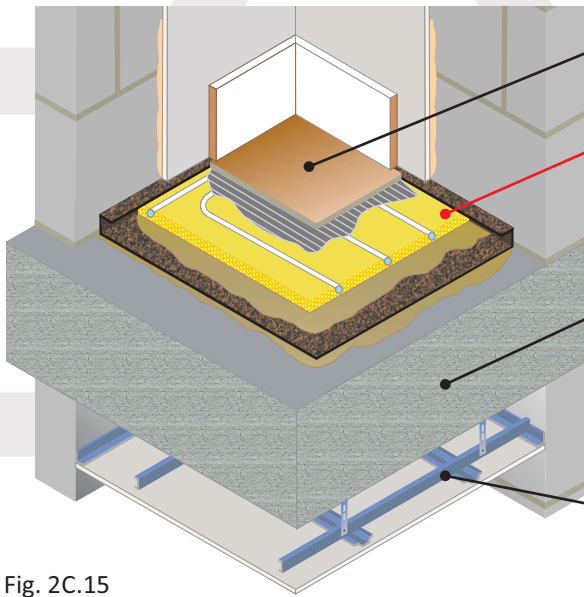


In-situ concrete slab separating floor

Acoustic + UFH

CELLECTA XFLO® Micro TB routed low profile UFH insulation boards bonded to RUBBERfon® resilient layer
 Tiles or wooden floor covering



- Floor finish**
Ceramic, stone, porcelain floor tiles, wooden flooring
- UFH insulation board with resilient layer**
CELLECTA XFLO® Micro TB tile membrane faced low profile underfloor heating insulation board adhered to CELLECTA RUBBERfon® ULTRAtop 3, 5 fully bonded to concrete slab
- Structural floor**
 - 225mm (min) in-situ concrete slab, 2400kg/m³ density without screed
 - 200mm (min) in-situ concrete slab 2400kg/m³ density with screed: 40mm sand & cement screed or 80kg/m² (min) proprietary screed directly applied to slab
- Ceiling**
See Table 2C.15b for ceiling treatment options

Fig. 2C.15



Table 2C.15a

Installation Options

Low profile UFH board bonded to level floor slab:

- 1 XFLO® Micro TB 15, 18, 20, 25**
Ultra high compressive strength routed XPS 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
3mm x 1m x 15m (15m²)
5mm x 1m x 10m (10m²)
- A CELLECTA HB724**
High bond floor adhesive
Coverage: 14kg/46m²
- P UFH water pipe (by others)**

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

- 3 CELLECTA RL24**
Rapid drying levelling screed
Size: 20kg bag
Coverage: 4m² @ 3mm

Table 2C.15b

Ceiling Treatment Options

Any metal frame ceiling system hung off CELLECTA AH50 acoustic hangers - 150mm void

150mm (min)

One layer of nominal 10kg/m² gypsum-based board

Any ceiling system - 150mm void

150mm (min)

One layer of nominal 10kg/m² 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.

Acoustic Performance

Airborne: 53dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact: 52dB $L_{nT,w}$	+ 8dB

Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).
 Airborne performance tested in accordance with BS EN ISO 140-4:1998
 Impact performance tested in accordance with BSEN ISO 140-7: 1998

Third Party Accreditation and Approvals



Environmental Credentials

