

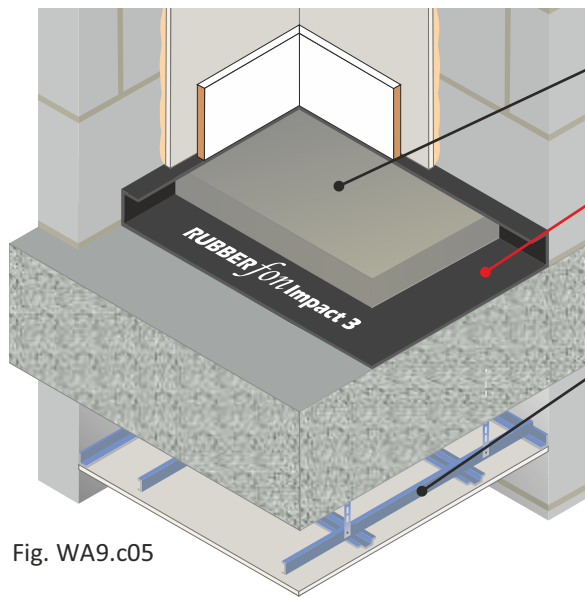
Separating floor - In-situ concrete slab

PCT solution to Robust Detail: E-FC-18

Screed laid on **CELLECTA RUBBERfon Impact 3** resilient layer

In-situ concrete slab with flat soffit

For use in reinforced concrete frame construction



Floating Screed

- 65mm (min) sand cement screed
- 40mm proprietary screed, nominal 80kg/m² mass per unit area

2 part resilient layer system

1. **CELLECTA RUBBERfon Impact 3**
2. **CELLECTA HG-tape** high grab tape

Structural floor

- 225 (min) in-situ concrete slab, 2400kg/m³ density without screed

Ceiling

See Tables WA9.c05d for ceiling treatment options

Fig. WA9.c05

Robust Detail option, change to E-FC-18

Contact CELLECTA for how to change a registered Robust Detail

Table WA9.c05

Installation Options

Resilient layer under screed
RUBBERfon Impact 3
 High density recycled rubber
 Dimensions: 3mm x 1m x 15m (15m²)

CELLECTA HG-tape
 High grab jointing tape
 Dimensions: 50mm x 50m

50mm (min) overlap

Underfloor heating system within screed (with thermal insulation)

⌘ FLOOR 250/300/500
 High compressive strength extruded polystyrene
 Dimensions: 25-160mm x 600mm x 2500mm

Underfloor heating systems within screed (without thermal insulation)

Proprietary Screeds
 When using a proprietary free flowing screed, RUBBERfon rolls can be tightly butted together and the joint sealed with HG-tape. Care should be taken to ensure there are no gaps in the resilient layer. Cover the RUBBERfon with a 500 gauge (min) polythene sheet, taping all joints and lapping up around the perimeter by 150mm.

Table WA9.c05b

Ceiling Treatment Options

CT0 - Metal ceiling - 150mm void
 To be used with 150mm (min) depth concrete planks

150mm (min)

One layer of nominal 8kg/m² gypsum-based board

CT1 - Metal ceiling - 100mm void
 To be used with 200mm (min) depth concrete planks

100mm (min)

One layer of nominal 8kg/m² gypsum-based board

Acoustic Performance

Airborne: 51dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact: 57dB $L_{nT,w}$	+ 5B

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 BS EN ISO 140-7:1998

Third Party Accreditation and Approvals



Environmental Credentials

