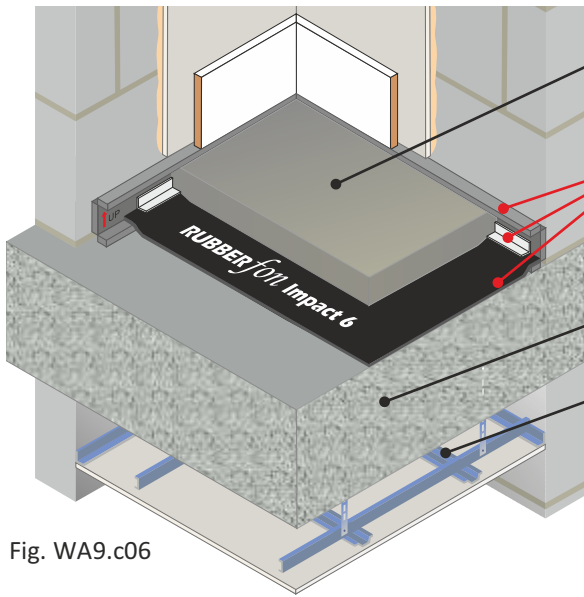


# Separating floor - In-situ concrete slab

PCT solution to Robust Detail: E-FC-18

Screed laid on **CELLECTA RUBBERfon Impact 6** 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/m<sup>2</sup> mass per unit area

**3 part resilient layer system**

1. **CELLECTA RUBBERfon Impact 6**
2. **CELLECTA RUBBERfon Edge** strip
3. **CELLECTA HG-tape** high grab tape

**Structural floor**

- 225 (min) in-situ concrete slab, 2400kg/m<sup>3</sup> density without screed

**Ceiling**

See Tables WA9.c06d for ceiling treatment options

Fig. WA9.c06

**Robust Detail option, change to E-FC-17**

Contact CELLECTA for how to change a registered Robust Detail

Table WA9.c06a

**Installation Options**

**Resilient layer under screed**  
**RUBBERfon Impact 3**  
 High density recycled rubber  
 Dimensions: 3mm x 1m x 15m (15m<sup>2</sup>)

**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.c06b

**Ceiling Treatment Options**

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

150mm (min)

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

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

100mm (min)

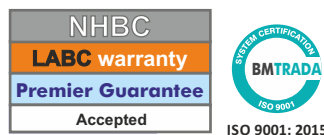
One layer of nominal 8kg/m<sup>2</sup> gypsum-based board

## Acoustic Performance

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

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

