Pre-cast concrete plank separating floor

Robust Detail E-FC-19

Screed laid on CELLECTA RUBBER*fon*® Impact 6 resilient layer

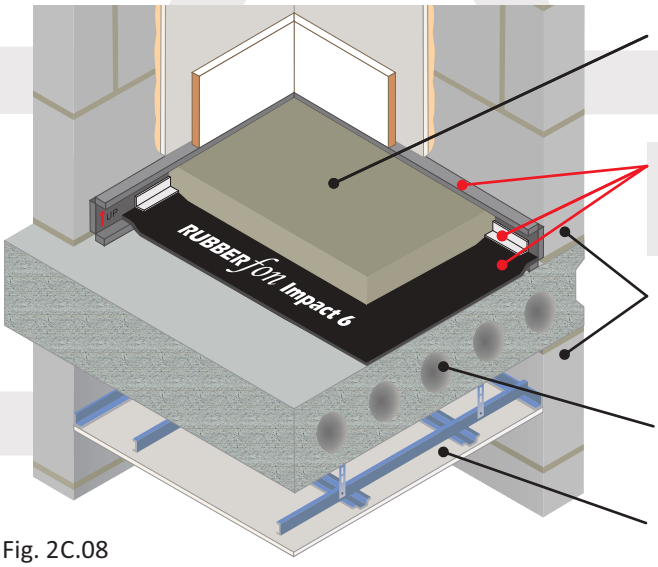


Fig. 2C.08

Floating screed	• 65mm (min) sand cement screed • 40mm proprietary screed, nominal 80kg/m² mass per unit area [1]
3 part resilient layer system	**1. CELLECTA RUBBER*fon*® Impact 6** **2. RUBBER*fon*® Edge** perimeter edge strip **3. CELLECTA HG-tape** high grab tape
External flanking walls	• 100mm (min) aggregate concrete block 1350-1600kg/m³ or 1850-2300kg/m³ • 100mm (min) aircrete block 450-800kg/m³
Structural floor	• 150mm (min) pre-cast concrete floor plank • 300kg/m² (min) mass per unit area
Ceiling	• See Table 2C.08b for ceiling treatment options

FASTRACKCAD ARCHITECTURAL CAD DATABASES | Available on bimstore.co | NBSPlus

Table 2C.08a

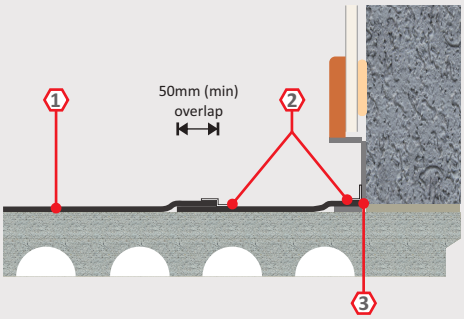
Installation Options

Resilient layer laid under screed

① **RUBBER*fon*® Impact 6**
High density recycled rubber
Dimensions: 6mm x 1m x 8m (8m²)

② **CELLECTA HG-tape**
High grab jointing tape
Dimensions: 50mm x 50m

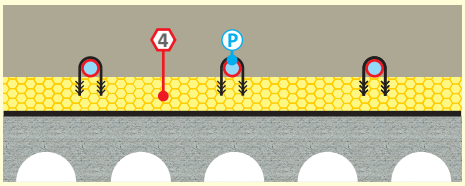
③ **RUBBER*fon*® Edge**
Self adhesive perimeter edge strip
Dimensions: 5mm x 200mm x 40m



Resilient layer system laid under screed containing underfloor heating system

④ **HEXATHERM® XFLOOR 250, 300**
High performance extruded polystyrene
Compressive strength: 250, 300kPa
Dimensions: 250 - 20, 25, 30, 35 x 600 x 2500mm
300 - 40, 50, 60, 75, 80, 90, 100, 120, 140, 160 x 600 x 2500mm

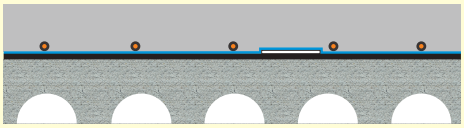
Ⓟ UFH water pipe (by others)



Underfloor heating systems within screed (without thermal insulation)

Proprietary Screeds

When using a proprietary free flowing screed, **Impact 6** rolls can be tightly butted together and the joint sealed with **HG tape**.
Care should taken to ensure there are no gaps in the resilient layer.
Cover the **Impact 6** with a 500 gauge (min) polythene sheet, taping all joins and lapping up around the perimeter by 150mm.

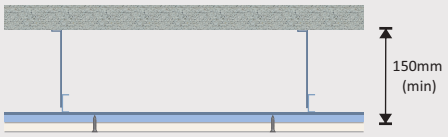


Ensure fixings used to secure the UFH do not penetrate the Impact 6

Table 2C.08b

Ceiling Treatment Options

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

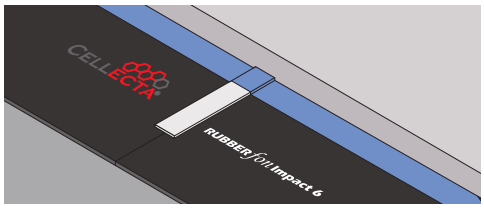


One layer of nominal 8kg/m² gypsum-based board

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

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

Construction notes
[1] Contact the technical for further information (01634 296677).
Materials must be installed in accordance with manufacturers' instructions to achieve required acoustic performance values.
Wall treatments MUST be isolated from the screed with



Acoustic Performance

Airborne:	**51dB $D_{nT,w} + C_{tr}$**	**Building Regs**
Impact:	**56dB $L_{nT,w}$**	**+ 5dB**

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

RD Proprietary Treatment | NHBC LABC warranty Premier Guarantee Accepted | bmtrada 2015

Environmental Credentials

GWP <5 | 100% Recyclable Rubber | zero ODP