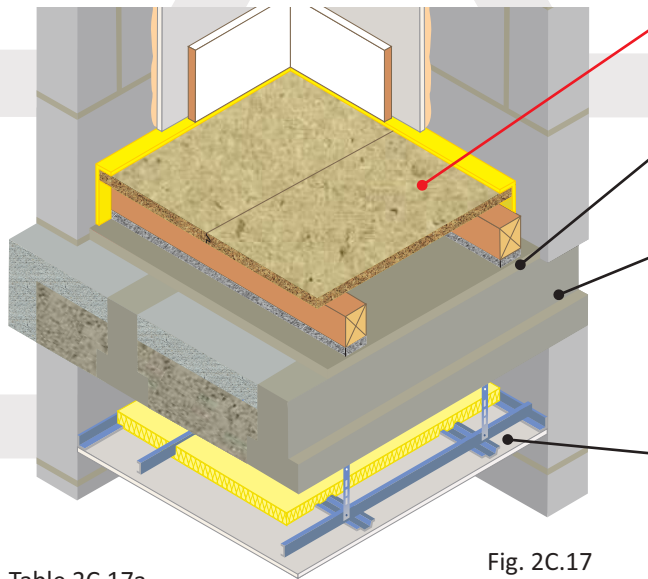


Modified beam & block separating floor

Robust Detail E-FC-7

CELLECTA floating floor treatment laid on beam and block floor with precast or in-situ edge beams
For use with dense aggregate block flanking walls only



- Floating floor** FFT1 - CELLECTA DECKfon® Batten 70
acoustic treatment FFT2 - CELLECTA RUBBERfon® Cradles
options FFT3 - CELLECTA DECKfon® Batten 45
- Levelling screed** 20mm (min), only required when using FFT1 or FFT3
- Structural floor** Beam and block, min 100mm thick dense aggregate infill blocks, min 50mm concrete topping, min strength class C20, to floor blocks, min 300kg/m² (min) combined mass per unit area
- Ceiling** See Table 2C.17d for ceiling treatment options



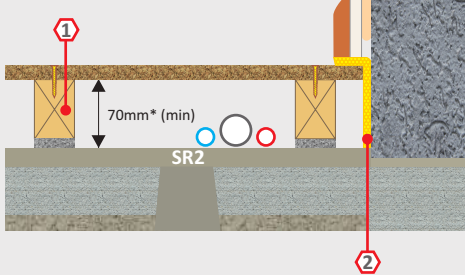
Fig. 2C.17

Table 2C.17a

FFT1 Resilient composite deep batten system

- 1 DECKfon® Batten 70
Deep acoustic batten: 75mm x 45mm x 2400mm
*Height indicated when floor is loaded to 25kg/m²

- 2 YELOfon® ES5/120
Perimeter edge strip: 5mm x 120mm x 50m



Airborne
53dB $D_{nT,w} + C_{tr}$

Impact
49dB $L_{nT,w}$
 $rd \Delta L_w = 27dB$

Building Regs
≥+8dB

BBA VERIFIED RD DATA

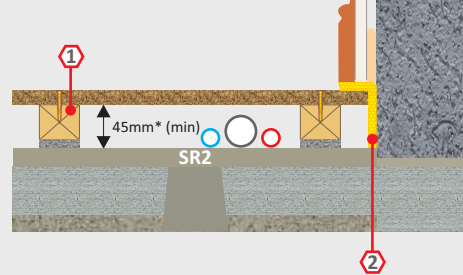
Additional item required to complete treatment: 18mm (min) tongue & groove flooring board

Table 2C.17c

FFT3 Resilient composite standard batten system

- 1 DECKfon® Batten 45
Deep acoustic batten: 50mm x 45mm x 2400mm
*Height indicated when floor is loaded to 25kg/m²

- 2 YELOfon® ES5/100
Perimeter edge strip: 5mm x 100mm x 50m



Airborne
53dB $D_{nT,w} + C_{tr}$

Impact
51dB $L_{nT,w}$
 $rd \Delta L_w = 25dB$

Building Regs
≥+8dB

BBA VERIFIED RD DATA

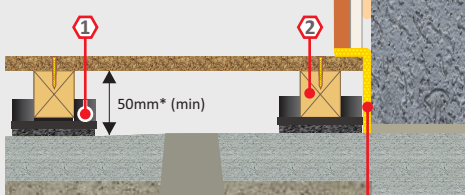
Additional item required to complete treatment: 18mm (min) tongue & groove flooring board

Table 2C.17b

FFT2 Resilient cradle and batten system

- 1 RUBBERfon® Cradles
10mm high x 100mm x 100mm
Levelling packers: 2, 3 & 5mm
Elevation blocks: 15 & 30mm

- 2 CELLECTA Softwood timber batten
Standard dimensions: 40, 65mm** x 45mm x 2400mm



Airborne
53dB $D_{nT,w} + C_{tr}$

Impact
51dB $L_{nT,w}$
 $rd \Delta L_w = 25dB$

Building Regs
≥+8dB

BBA VERIFIED RD DATA

- 3 YELOfon® ES5/120
Perimeter edge strip: 5mm x 120mm x 50m

Additional items required to complete treatment: 18mm (min) tongue & groove flooring board
40mm (min) x 45mm timber batten

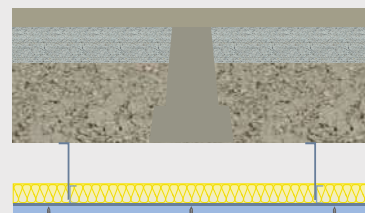
*Height indicated when floor is loaded to 25kg/m². ** Other batten sizes available upon request

Table 2C.17d

Ceiling Treatment

All E-FC-7 floors must have a minimum depth of 300mm between the top of the beams and ceiling grid

Only suspended metal frame systems may be used



One layer of nominal 10kg/m² gypsum-based board
25mm (min) fibre quilt (min 10kg/m³) in ceiling void to cover whole ceiling board area

Construction notes
Slab/levelling screed must be to SR2 Standard when adopting FFT1 or 3. Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Wall treatments MUST be isolated from the floating floor with YELOfon ES5 edge strip.

Acoustic Performance

rd impact performance values quoted were conducted at Sound Research Laboratories (UKAS ref. 0444) in accordance with BS EN ISO 10140-3 and BS EN ISO 10140-4 and rated in accordance with BS EN ISO 717-2:2013 as detailed in Appendix D of the Robust Details hand book (minimum value required $rd \Delta L_w = 17dB$). 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.

