Separating floor - Modified beam & block

Robust Detail E-FC-7

Beam and block floor with precast or in-situ edge beams
For use with dense aggregate block flanking walls only

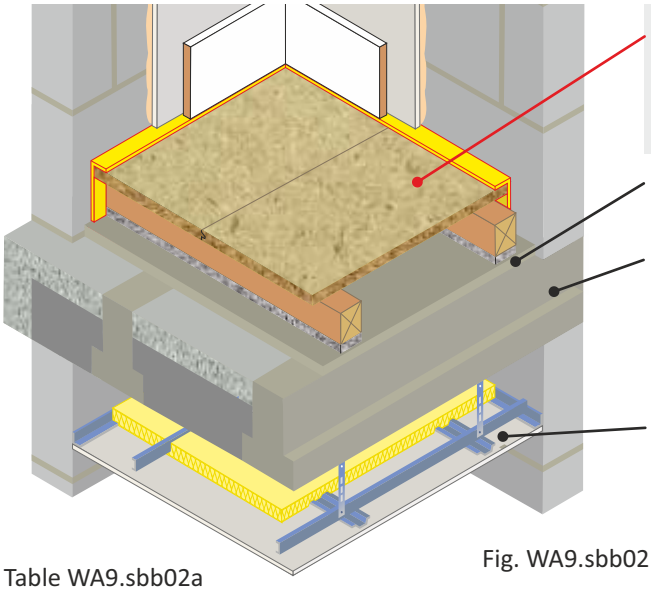


Fig. WA9.sbb02

Floating floor treatment options	**FFT 1 - CELLECTA DECKfon Batten 70** **FFT2 - CELLECTA RUBBERfon Cradles** **FFT 3 - 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 WA9.sbb02b for ceiling treatment options

FASTRACKCAD ARCHITECTURAL CAD DATABASES

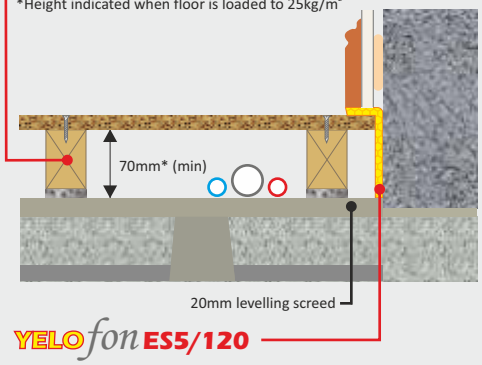
NBSPlus

Table WA9.sbb02a

FFT1 Resilient composite deep batten system

DECKfon Batten 70

Deep acoustic batten: 75mm x 45mm x 2400mm
*Height indicated when floor is loaded to 25kg/m²



YELOfon ES5/120

Perimeter edge strip: 5mm x 120mm x 50m

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

Airborne	53dB $D_{nT,w}$+ C_{tr}
Impact	49dB $L_{nT,w}$ *rd* DL_w = 27dB
Building Regs	≥+8dB

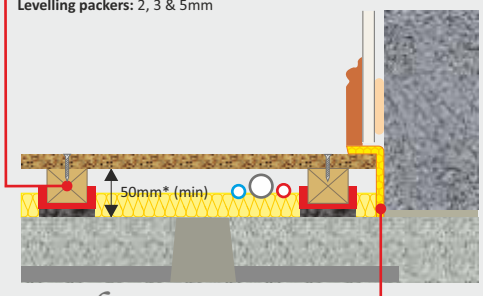
BBA VERIFIED RD DATA

Table WA9.sbb02b

FFT2 Resilient cradle and batten system

RUBBERfon Cradle

Dimensions: 12mm high x 80mm x 80mm
Levelling packers: 2, 3 & 5mm



YELOfon ES5/120

Perimeter edge strip: 5mm x 120mm x 50m

Additional layer 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

Airborne	53dB $D_{nT,w}$+ C_{tr}
Impact	51dB $L_{nT,w}$ *rd* DL_w = 25dB
Building Regs	≥+8dB

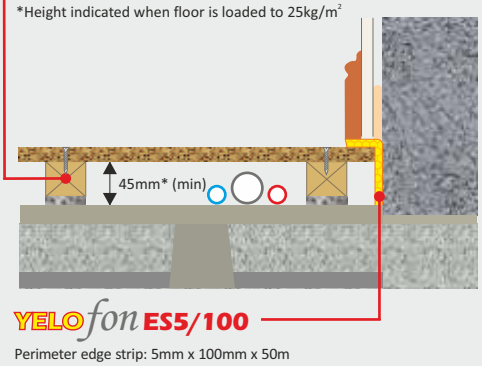
BBA VERIFIED RD DATA

Table WA9.sbb02c

FFT3 Resilient composite standard batten system

DECKfon Batten 45

Standard acoustic batten: 50mm x 45mm x 2400mm
*Height indicated when floor is loaded to 25kg/m²



YELOfon ES5/100

Perimeter edge strip: 5mm x 100mm x 50m

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

Airborne	53dB $D_{nT,w}$+ C_{tr}
Impact	51dB $L_{nT,w}$ *rd* DL_w = 25dB
Building Regs	≥+8dB

BBA VERIFIED RD DATA

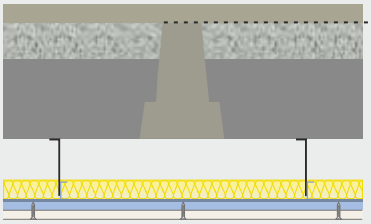
Table WA9.sbb02d

Ceiling Treatment

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

Only suspended metal frame systems may be used

Minimum 25mm mineral fibre quilt (min 10kg/m³) in ceiling void to cover whole ceiling board area



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

Construction notes
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 140-6: 1998 and rated in accordance with BS ISO 717-2: 1997 as detailed in Appendix D of the Robust Details handbook (minimum value required *rd* DL_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.

RD Compliant Treatments · BBA VERIFIED RD DATA · GWP <5 · 100% Recyclable Foam · zero ODP

01634 29-66-77 · cellecta.co.uk · technical@cellecta.co.uk