

Metal web joist separating floor

Robust Detail E-FT-3

CELLECTA DECKfon® Batten 70 acoustic treatment laid on timber sub-deck
Use with timber frame walls only

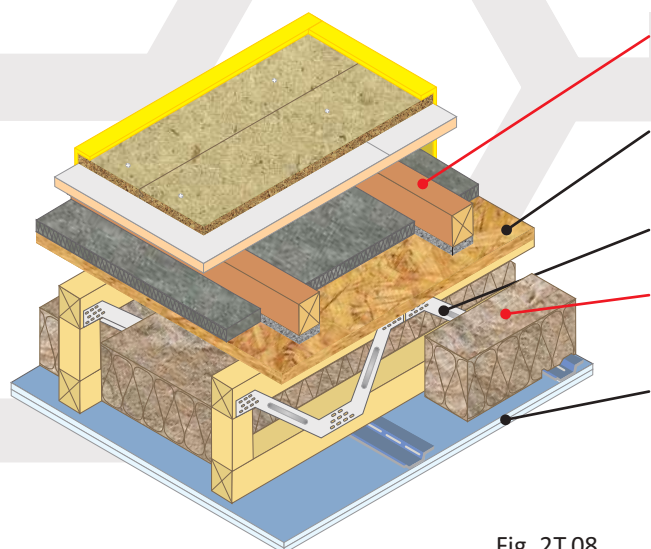


Fig. 2T.08

Floating floor treatment	FFT1 - CELLECTA DECKfon® Batten 70 (See Table 2T.08a & b for full details)
Floor decking	18mm (min) thick wood based board, density 600kg/m ³ (min)
Joists	253mm (min) metal web joists
Absorbing material	<ul style="list-style-type: none"> 50mm CELLECTA FIBREfon® Micro 50 100mm (min) quilt insulation (10-36kg/m³)
Ceiling	See Table 2T.08c for ceiling treatment options

Alternative Robust Detail: E-FT-6

Refer to page 7 on how to change a registered Robust Detail

Tables 2T.08a & b

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 components required to complete treatment:
18mm (min) tongue & groove flooring board
Gypsum-based board nominal 13.5kg/m²
Sound absorbing quilt laid between batten:
• 15mm CELLECTA FIBREfon Micro 15 non-itch polyester quilt
• 25mm (min) 10-33kg/m³ or 13mm (min) 33-36kg/m³ mineral wool

Airborne
55dB $D_{nT,w} + C_{tr}$
 $rd \Delta R_w = 19dB$

Impact
54dB $L_{nT,w}$
 $rd \Delta L_w = 16dB$

Building Regs
≥+5dB

BBA VERIFIED RD DATA

FFT1 Resilient composite deep batten system incorporating UFH

- HiDECK® Structural 25⁽¹⁾**
- CELLECTA Pro Adhesive**
- DECKfon® Batten 70**
- XFLO® JB-FF foil faced XPS insulation brd**
- YELOfon® ES5/120 edge strip**
- UFH water pipe (by others)**

Additional component required to complete treatment:
Sound absorbing quilt laid between battens:
• 15mm CELLECTA FIBREfon Micro 15 non-itch polyester quilt
• 25mm (min) 10 - 33kg/m³ or 13mm (min) 33 - 36kg/m³ mineral wool

Airborne
54dB $D_{nT,w} + C_{tr}$
 $rd \Delta R_w = 18dB$

Impact
54dB $L_{nT,w}$
 $rd \Delta L_w = 16dB$

Building Regs
≥+5dB

CLASS A1

Table 2T.08c

Ceiling Treatment

Ceiling boards must not penetrate or touch joists
16mm (min) metal resilient bars mounted at right angles to the joists at 400mm centres.

CT1 Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m²) fixed with 32mm screws and 12.5mm (nominal 10kg/m²) fixed with 42mm screws, with all joints staggered.

CT2 Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m²) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m²) fixed with 42mm screws, with all joints staggered.

Sacrificial ceiling (optional)
Metal ceiling system with a 75mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum based board.

Sound absorbing quilt fitted between joists
• 50mm CELLECTA FIBREfon MICRO 50
• 100mm (min) mineral wool quilt -10-33kg/m³

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. Airborne performance tested in accordance with BS EN ISO 10140-2 and BS EN ISO 10140-4 and rated in accordance with BS EN ISO 717-1: 2013 as detailed in Appendix C of the Robust Details hand book (minimum value required $rd \Delta R_w + C_{tr} = 13dB$ $rd \Delta L_w = 15dB$). 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.

