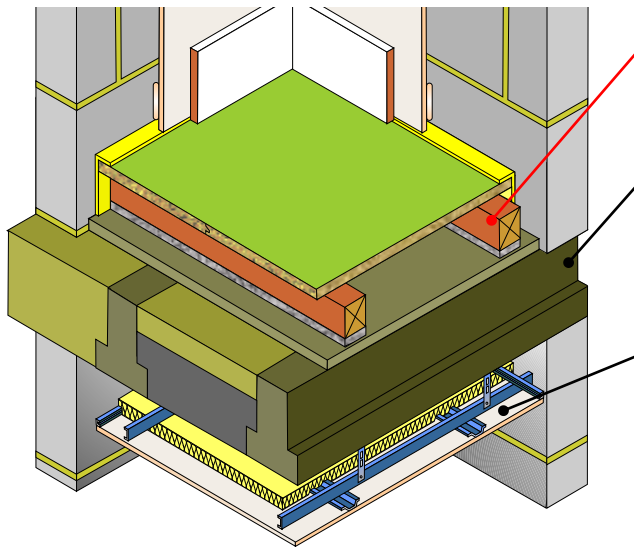


Beam and block floor with precast or in-situ edge beams
 Using floating floor treatments
 For use with dense aggregate block flanking walls only



| | |
|---|---|
| Floating floor treatment options | FFT1 - DECKfon Batten 70 FFT3 - DECKfon Batten 45 (See Table CF4 for full details) |
| 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/m ² (min) combined mass per unit area |
| Ceiling | See Table CF4 for ceiling treatment options |

Fig. CF4 shows DECKfon Batten 70 and ES5/100 flanking strip



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Table CF4

| Robust detail E-FC-7 compliant floating floor treatment options | Perimeter resilient flanking strip required | Ceiling treatment options (can be used with both FFTs listed) | | | | | | |
|--|---|---|-------|---|---|---|--|---|
| <p>FFT1 - Resilient composite deep batten system with 20mm levelling screed</p> <p>DECKfon[®] Batten 70 0 GWP</p> <p>Additional layer required to complete treatment 18mm (min) tongue & groove flooring board</p> <p>Notes Void dimension indicated is when floor is loaded to 25kg/m² Batten dimensions: 75mm (h) x 45mm (w) x 2400mm (l)</p> <p>20mm levelling screed</p> <p>Robust Detail performance⁽¹⁾ $rd L_w = 27dB$</p> <p>Typical PCT performance⁽²⁾ $D_{nT,w} + C_{tr} = 53dB$ $L_{nT,w} = 49dB$</p> <p>Code credits* <table border="1"> <tr> <td>Mat 1</td> <td>Pol 1</td> <td>Hea 2</td> </tr> <tr> <td>1</td> <td>1</td> <td>4</td> </tr> </table></p> | Mat 1 | Pol 1 | Hea 2 | 1 | 1 | 4 | <p>YELOfon[®] ES5/120</p> <p>Polyethylene foam flanking strip: 5mm (l) x 120mm (h) x 50m (l) placed around the perimeter of the flooring board to isolate floor from walls and skirting.</p> | <p>All E-FC-7 floors must have a minimum depth of 300mm between the top of the beams and ceiling board</p> <p>Only suspended metal frame systems may be used</p> <p>Minimum 25mm mineral fibre quilt (min 10kg/m³) in ceiling void to cover whole ceiling board area</p> <p>300mm (min)</p> <p>One layer of nominal 10kg/m² gypsum-based board</p> |
| Mat 1 | Pol 1 | Hea 2 | | | | | | |
| 1 | 1 | 4 | | | | | | |
| <p>FFT3 - Resilient composite standard batten system with 20mm levelling screed</p> <p>DECKfon[®] Batten 45 0 GWP</p> <p>Additional layer required to complete treatment 18mm (min) tongue & groove flooring board</p> <p>Notes Void dimension indicated is when floor is loaded to 25kg/m² Batten dimensions: 50mm (h) x 45mm (w) x 2400mm (l)</p> <p>20mm levelling screed</p> <p>Robust Detail performance⁽¹⁾ $rd L_w = 27dB$</p> <p>Typical PCT performance⁽²⁾ $D_{nT,w} + C_{tr} = 53dB$ $L_{nT,w} = 49dB$</p> <p>Code credits* <table border="1"> <tr> <td>Mat 1</td> <td>Pol 1</td> <td>Hea 2</td> </tr> <tr> <td>1</td> <td>1</td> <td>4</td> </tr> </table></p> | Mat 1 | Pol 1 | Hea 2 | 1 | 1 | 4 | <p>YELOfon[®] ES5/100</p> <p>Polyethylene foam flanking strip: 5mm (l) x 100mm (h) x 50m (l) placed around the perimeter of the flooring board to isolate floor from walls and skirting.</p> | <p>Construction notes Materials must be installed in accordance with manufacturers' and Robust detail instructions to achieve required acoustic performance values. Wall treatments MUST be isolated from the floating floor with YELOfon ES or FS flanking strip.</p> |
| Mat 1 | Pol 1 | Hea 2 | | | | | | |
| 1 | 1 | 4 | | | | | | |

* Code for Sustainable Homes (CSH) credits quoted are typical. Mat 1 value taken from the BRE Green Guide. Pol 1 credit is only awarded if all the other insulation products used have a GWP of <5. Hea 2 credits are based on the floor being pre-completion tested and the separating wall performing to at least the same acoustic standard. Credits subject to relevant category weighted value. See page 5 for further information.

Acoustic values

⁽¹⁾ RD impact performance values quoted were conducted at Sound Research Laboratories, Sudbury, 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 $rd L_w = 17dB$).

⁽²⁾ 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.