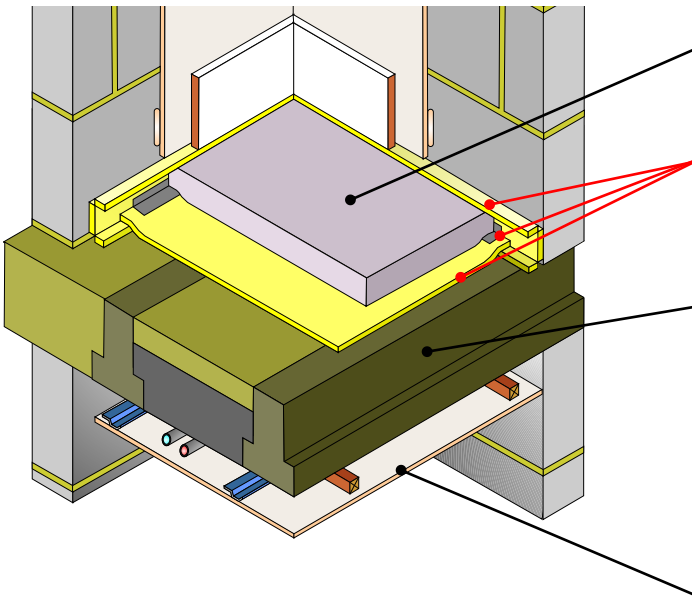


Modified beam and block
Screed laid on YELOfon HD10+ resilient layer System



- Screed** 65mm (min) sand cement screed, or 40mm proprietary screed, nominal 80kg/m² mass per unit area
- Resilient layer** YELOfon HD10+ with E-strip perimeter edging and J-strip acoustic joining tape (See Table CF13 for full details)
- Structural floor**
 - 150mm (min) pre-stressed floor beams
 - 100mm rebated dense concrete infill blocks in-situ cast concrete to seal floor
 - 300kg/m² (min) mass per unit area (including shuttering only if it is solid concrete or metal and any bonded screed if required)
- Ceiling** See Table CF13 for ceiling treatment options

Fig. CF13



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Table CF13

PCT resilient layer installation options	Perimeter resilient flanking strip required	Ceiling treatment options
<p>YELOfon HD10+ 10mm high density polyethylene foam with Surebond facing</p> <p>YELOfon J-strip Acoustic joining tape</p> <p>Typical PCT performance ⁽²⁾</p> <p>$D_{nT,w} + C_{tr} = 53\text{dB}$</p> <p>$L_{nT,w} = 51\text{dB}$</p> <p>Underfloor heating systems within screed (with thermal insulation)</p> <p>YELOFOAM X2i Version available High performance extruded polystyrene board</p> <p>YELOfon HD10+ 10mm high density polyethylene foam with Surebond facing</p> <p>YELOfon J-strip Acoustic joining tape</p> <p>Electric underfloor heating systems within screed (without thermal insulation)</p> <p>YELOfon HD10+ FF 10mm high density polyethylene foam with aluminium foil facing</p> <p>YELOfon J-strip Acoustic joining tape</p> <p>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 E-strip. Should an underfloor heating system be installed within the screed (including connectors and fixings), ensure the resilient layer is not penetrated.</p>	<p>YELOfon E-strip</p> <p>Polyethylene foam flanking strip: 7mm (t) x 200mm (h) x 33m (l) with Surebond facing and self-adhesive backing, to suit 65mm - 100mm screeds, placed around the perimeter of the floor to isolate the screed from the walls and skirting. Seal all joints with J-strip.</p>	<p>Timber batten & metal resilient bars 50mm x 50mm softwood batten Metal resilient bars</p> <p>65mm (min)</p> <p>One layer of 8kg/m² gypsum-based board</p> <p>Any ceiling system - 100mm void Any metal frame ceiling system providing 100mm (min) ceiling void</p> <p>100mm (min)</p> <p>One layer of 8kg/m² gypsum-based board</p> <p>Any ceiling system - 75mm void Any timber or metal frame ceiling system providing 75mm (min) ceiling void</p> <p>75mm (min)</p> <p>One layer of 10kg/m² gypsum-based board</p>

Code credits available

(Contact Collecta for further information)

Acoustic values

⁽²⁾ Values quoted are typical, based on the treatment being installed correctly and pre-completion tested. Airborne performance tested in accordance with BS EN ISO 140-4:1998 Impact performance tested in accordance with BS EN ISO 140-7:1998