

Timber I-joists
Screed laid on resilient layers

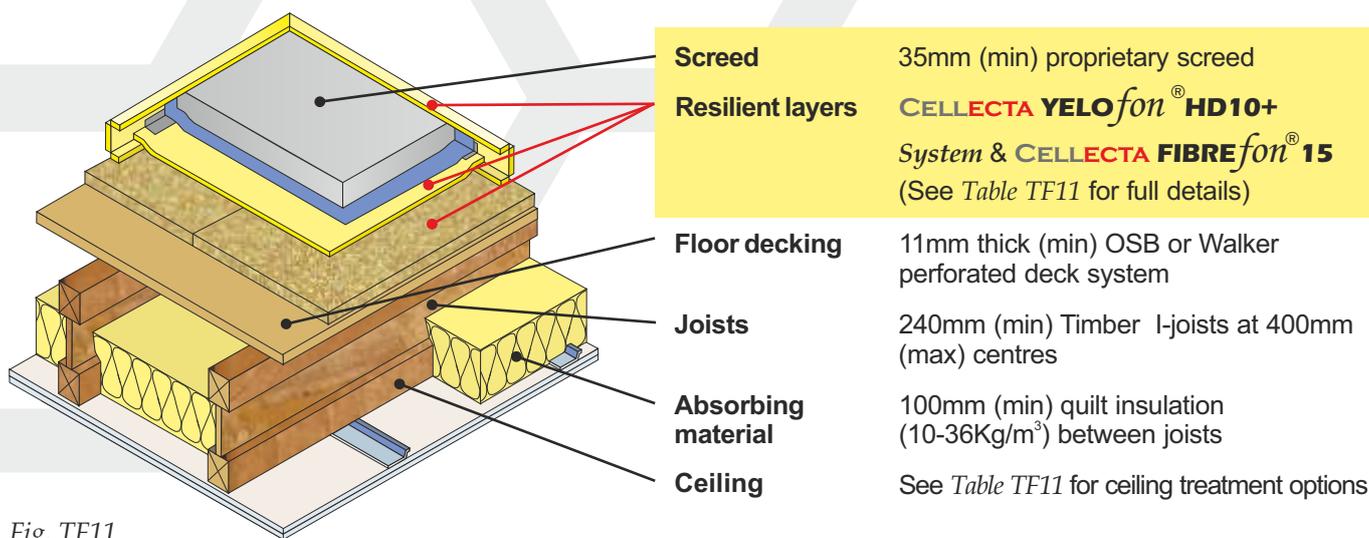
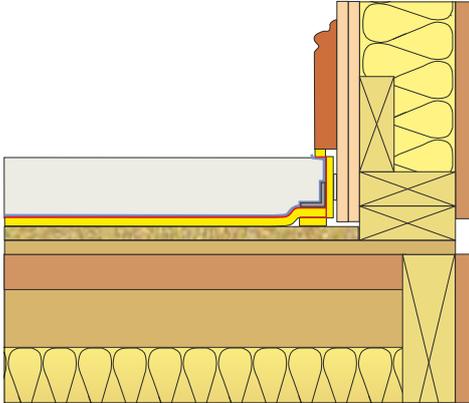
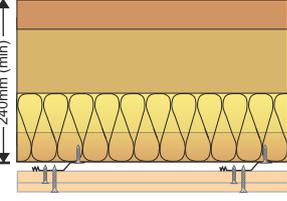
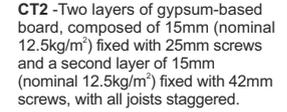
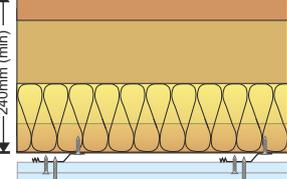


Fig. TF11

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Table TF11

PCT resilient layers	Perimeter resilient flanking strip required	Ceiling treatment options				
<p>YELOfon® HD10+ 10mm high density polyethylene foam</p> <p>YELOfon® J-strip Acoustic joining tape</p> <p>FIBREfon® 15 Recycled acoustic fibre board</p> <p>Product dimensions Hd10+: 10mm x 1.5m x 33.33m J-strip: 2.5mm x 75mm x 33m FIBREfon 15: 15mm x 1200mm x 2400mm</p>  <p>Typical PCT performance⁽²⁾</p> <p>$D_{nT,w} + C_{tr} = 57\text{dB}$ $L_{nT,w} = 52\text{dB}$</p> <p>Code credits*</p> <table border="1"> <tr> <td>Pol 1</td> <td>Hea 2</td> </tr> <tr> <td>1</td> <td>3</td> </tr> </table> <p>The structural walls and floor must be designed to withstand the load imposed by the floor treatment. </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. Ensure services do not bridge the resilient layer</p>	Pol 1	Hea 2	1	3	<p>YELOfon® E-strip</p> <p>Polyethylene foam flanking strip: 7mm x 200mm x 33m with <i>Surebond</i> facing and self-adhesive backing, placed around the perimeter of the floor to isolate the screed from the walls and skirting. Seal all joint with J-strip.</p> 	<p>Ceiling boards must not penetrate or touch the floor joists 16mm (min) metal resilient bars mounted at right angles to the joist at 400mm centres.</p> <p>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 joists staggered.</p>  <p>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 joists staggered.</p>  <p>Construction note Services must not puncture ceiling linings (except cables, which should be sealed around with flexible sealant).</p>
Pol 1	Hea 2					
1	3					

* Code for Sustainable Homes (CSH) credits quoted are typical. 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
⁽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