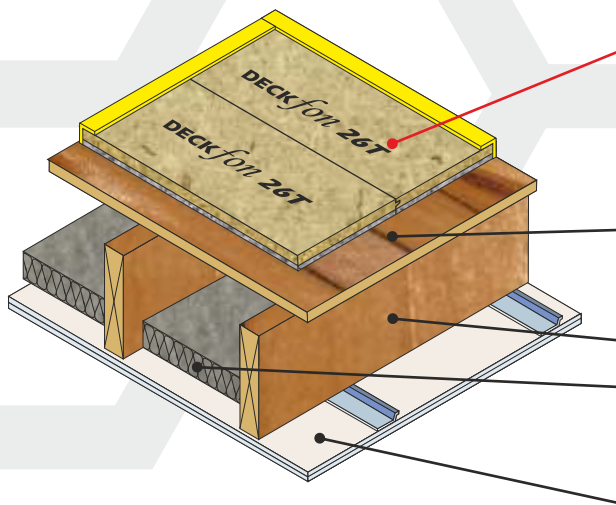


Existing timber joists
Acoustic treatment laid on sub-floor
Ceiling on resilient bars



Floating floor treatment options
CELLECTA DECKfon® 17T
CELLECTA DECKfon® 26T
CELLECTA DECKfon® 30T
 (See Table TF17 for full details)

Floor decking 15mm thick (min) OSB or existing floor boards (with all gaps sealed with suitable flexible mastic)

Joists Solid timber joists

Absorbing material

- 50mm **CELLECTA FIBREfon® Micro 50**
- 100mm (min) mineral wool insulation (45kg/m³) between joists

Ceiling See Table TF17 for ceiling treatment

Fig. TF17 shows **CELLECTA DECKfon CHIP26T** and **FS30** flanking strip

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Table TF17

PCT floating floor treatment options	Perimeter resilient flanking strip required	Ceiling treatment
<p>DECKfon® 17T Shallow composite acoustic overlay board</p> <p>Typical PCT performance⁽³⁾ $Rw + C_{tr} = 50\text{dB}$ $L_{n,w} = 56\text{dB}$</p> <p>Product information Board dimensions: 17mm x 600mm x 2400mm Edge profile: Tongue and groove (MR MDF) Weight: 7.45kg/m² / 10.74kg per board</p>	<p>YELOfon® ES5/60</p> <p>Polyethylene foam flanking strip: 5mm x 60mm x 50mm installed around the perimeter of the flooring board to isolate floor from walls and skirting.</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>Ceiling treatment 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>DECKfon® 26T Composite acoustic overlay board</p> <p>Typical PCT performance⁽³⁾ $Rw + C_{tr} = 51\text{dB}$ $L_{n,w} = 57\text{dB}$</p> <p>Product information Board dimensions: 26mm x 600mm x 2400mm Edge profile: Tongue and groove (P5 chipboard) Weight: 13.40kg/m² / 19.29kg per board</p>	<p>YELOfon® FS30</p> <p>Pre-formed polyethylene foam flanking angle: 6mm x 30mm 50mm x 2m installed around the perimeter of the flooring board to isolate floor from walls and skirting.</p>	<p>Construction note Services must not puncture ceiling linings (except cables, which should be sealed with flexible sealant).</p>
<p>DECKfon® 30T Composite acoustic overlay board</p> <p>Typical PCT performance⁽³⁾ $Rw + C_{tr} = 51\text{dB}$ $L_{n,w} = 56\text{dB}$</p> <p>Product information Board dimensions: 30mm x 600mm x 2400mm Edge profile: Tongue and groove (P5 chipboard) Weight: 15.80kg/m² / 22.76kg per board</p>	<p>YELOfon® FS30</p> <p>Pre-formed polyethylene foam flanking angle: 6mm x 30mm 50mm x 2m installed around the perimeter of the flooring board to isolate floor from walls and skirting.</p>	<p>Construction note Services must not puncture ceiling linings (except cables, which should be sealed with flexible sealant).</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 flanking strip**. Ensure services do not come into contact with the floor treatment. Once laid, **17T** boards should be covered with the final floor finish as soon as possible to eliminate the risk of mechanical damage to the edge detail.

Acoustic values
⁽³⁾ Test data quoted was conducted in a UKAS accredited laboratory in accordance with Approved Document E: Annex B: Procedures for sound insulation testing. Airborne results tested in accordance with BS EN ISO 140-3:1995 Impact results tested in accordance with BS EN ISO 140-6:1998