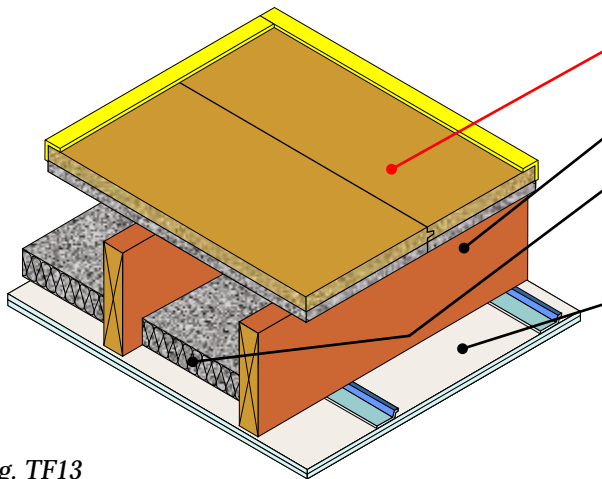


Structural separating floor - Timber (existing)

PCT solution

Existing timber joists
Acoustic treatment laid directly on floor joists
Ceiling on resilient bars



Structural floating floor treatment	DECKfon CHIP 37T (See Table TF13 for full details)
Joists	Solid timber joists
Absorbing material	<ul style="list-style-type: none"> • 50mm FIBRE fon MICRO SLAB 50 • 100mm (min) mineral wool insulation (45kg/m³) between joists
Ceiling	See Table TF13 for ceiling treatment

Fig. TF13



FASTRACKCAD
ARCHITECTURAL CAD DATABASES

Table TF13

PCT floating floor treatment	Perimeter resilient flanking strip required	Ceiling treatment
<p>DECKfon[®] CHIP 37T Composite acoustic structural overlay board</p> <p>Product information Board dimensions: 37mm x 600mm x 2400mm Edge profile: Tongue & groove Weight: 17.20kg/m² / 24.76kg per board</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Typical PCT performance⁽³⁾</p> <p>$R_w + C_{tr} = 52\text{dB}$</p> <p>$L_{n,w} = 53\text{dB}$</p> </div>	<p>YELOfon[®] ES5/100</p> <p>Polyethylene foam flanking strip: 5mm x 100mm x 50m 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>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 ES5/100 flanking strip. Ensure services do not come into contact with the floor treatment. Services must not puncture ceiling linings (except cables, which should be sealed with flexible sealant).

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