

Separating floor - Timber I-joists

PCT solution to Robust Detail: E-FT-4

Screed laid on **CELLECTA** resilient layers
Use with timber frame walls only

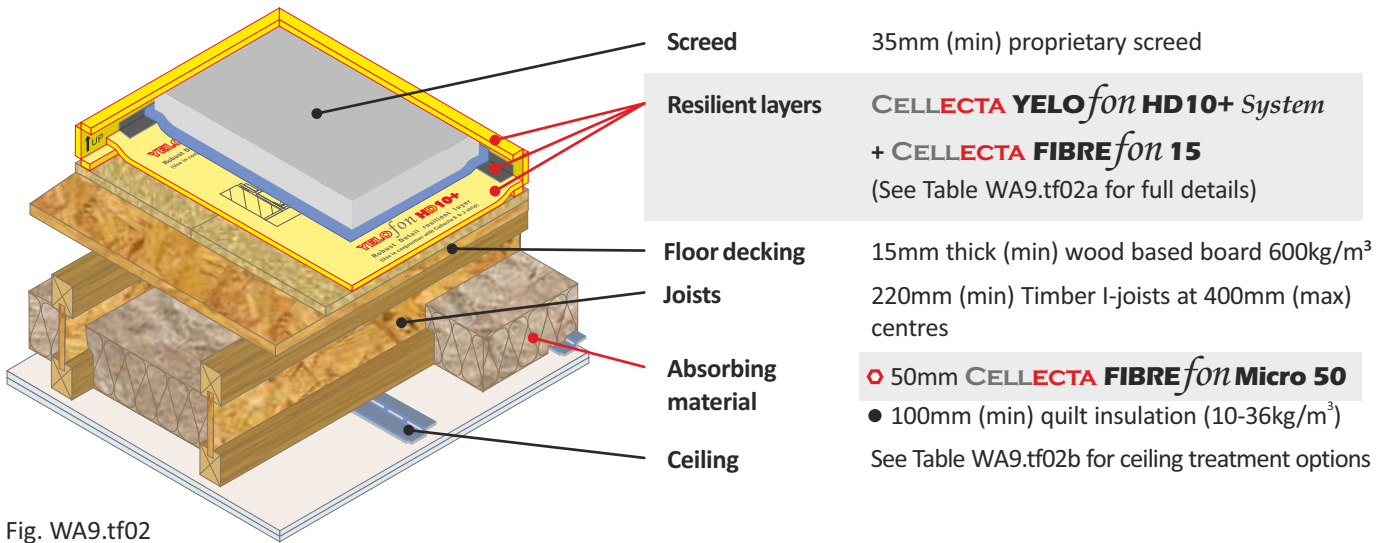


Fig. WA9.tf02

Table WA9.tf02a

Installation Options

Resilient layer under screed

YELOfon HD10+
High density polyethylene foam with Surebond facing
Dimensions: 10mm x 1.5m x 33.33m (50m²)

YELOfon J-strip
Ultra high grab acoustic joining tape
Dimensions: 2.5mm x 75mm x 40m

FIBREfon 15
Woodfibre resilient layer
Dimensions: 15mm x 1200mm x 2400mm

YELOfon E-strip
Self adhesive perimeter edge strip
Dimensions: 7mm x 200mm x 33m

Underfloor heating system within screed (with thermal insulation)

XFLOOR 250/300/500
High compressive strength extruded polystyrene
Dimensions: 25-160mm x 600mm x 2500mm

Ensure fixing used to secure the UFH do NOT penetrate the HD10+

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** perimeter edge strip.
Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant).

The structural walls and floor must be designed to withstand the load imposed by the floor treatment. **Caution**

Table WA9.tf02b

Ceiling Treatment Options

Ceiling boards must not penetrate or touch joists
16mm (min) metal resilient bars mounted at right angles to the joists at 400mm centres.

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 joints staggered.

Sacrificial ceiling (optional)
Metal ceiling system with a 100mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum based board.

Sound absorbing quilt fitted between joists
○ 50mm **CELLECTA FIBREfon Micro 50** quilt
● 100mm (min) mineral wool quilt -10-33kg/m³

Acoustic Performance

Airborne: 57dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact: 52dB $L_{nT,w}$	+ 5dB

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

Third Party Accreditation and Approvals



Environmental Credentials

