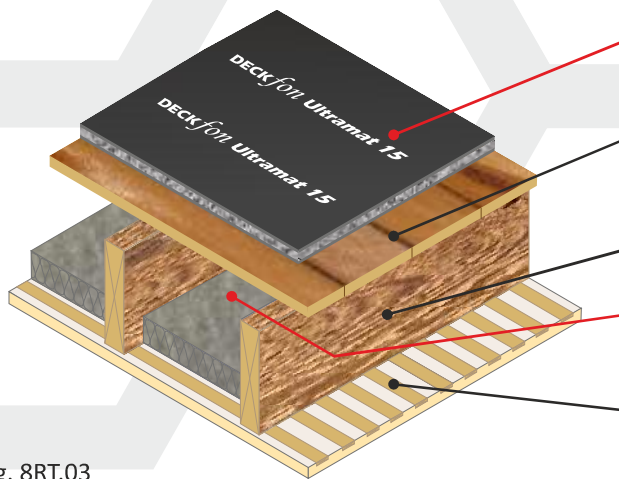


Separating floor - Timber (refurb and conversion)

CELLECTA DECKfon Ultramat 15 acoustic mat laid on timber sub-floor
Existing timber decking, floor joists and ceiling retained or replaced



Structural floating floor treatment

CELLECTA DECKfon Ultramat 15
(See Table 8RT.03a for full details)

Floor decking

15mm thick (min) wood based board, density 600kg/m³ (min) or existing floor boards (with all gaps sealed with suitable flexible mastic)

Timber joists

Solid timber joists

Absorbing material

○ 50mm **CELLECTA FIBREfon Micro 50**

Ceiling

● 100mm (min) quilt insulation (45kg/m³)
See Table 8RF.03b for ceiling treatment options

Fig. 8RT.03

FASTRACKCAD
ARCHITECTURAL CAD DATABASES

n55Plus

Table 8RT.03a

Installation Options

Acoustic treatment laid structural floor deck

DECKfon Ultramat 15 High density composite acoustic overlay mat
Dimensions: 15mm x 1200mm x 1200mm
Weight: 15kg/m² / 21.6kg/mat

YELOfon ES5/15
Perimeter edge strip: 5mm x 15mm x 50mm

Airborne	Impact
45dB $R_w + C_{tr}$	59dB $L_{n,w}$

Acoustic treatment laid structural floor deck

DECKfon Ultramat 15 High density composite acoustic overlay mat
Dimensions: 15mm x 1200mm x 1200mm
Weight: 15kg/m² / 21.6kg/mat

YELOfon ES5/15
Perimeter edge strip: 5mm x 15mm x 50mm

Airborne	Impact
51dB $R_w + C_{tr}$	55dB $L_{n,w}$

Table 8RF.03b

Ceiling Treatment Options

Ceiling treatment
Plaster and lath ceiling with minimum mass of 16kg/m², fixed directly to floor joists.

Ceiling boards must not penetrate or touch joists

- 16mm (min) metal resilient bars mounted at right angles to the joists at 400mm (max) centres.
- 30mm **CELLECTA HP30** resilient bars mounted at right angles to the joists at 600mm (max) centres, as shown.

Ceiling treatment
Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m³) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m³) fixed with 42mm screws, with all joints staggered.

HP30 - 30mm void
48kg/m² max ceiling load @ 600mm centres

Acoustic Performance

Performance values quoted were achieved at Sound Research laboratories, Sudbury 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

Third Party Accreditation and Approvals



ISO 9001: 2004

Environmental Credentials



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