Separating floor - Timber (refurb and conversion)

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

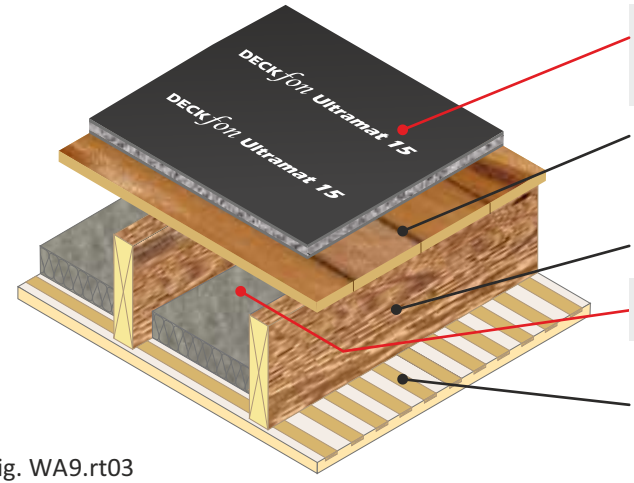

Fig. WA9.rt03

Structural floating floor treatment	**CELLECTA DECKfon Ultramat 15** (See Table WA9.rt03a 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** ● 100mm (min) quilt insulation (45kg/m³)
Ceiling	See Table WA9.rt03b for ceiling treatment options

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Table WA9.rt03a

Installation Options

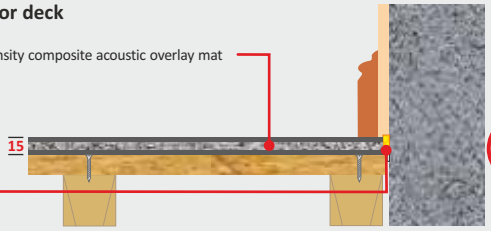
Acoustic treatment laid structural floor deck

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 50m



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

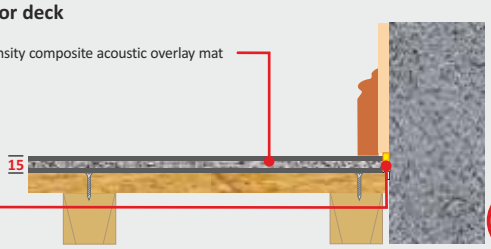
Acoustic treatment laid structural floor deck

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 50m



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

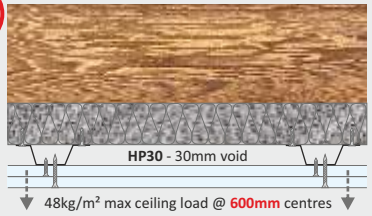
Table WA9.rt03b

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/m²) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m²) fixed with 42mm screws, with all joints staggered.



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

SRL Performace Tested

BMTRADA System Certification ISO 9001

ISO 9001: 2004

Environmental Credentials

GWP <5

100% Recycled Foam

zero ODP

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