# Refurbishment/conversion timber separating floor

**CELLECTA ScreedBoard® 28 laid on timber sub-floor**
**Existing timber joists**
**New ceiling fixed to resilient bars**

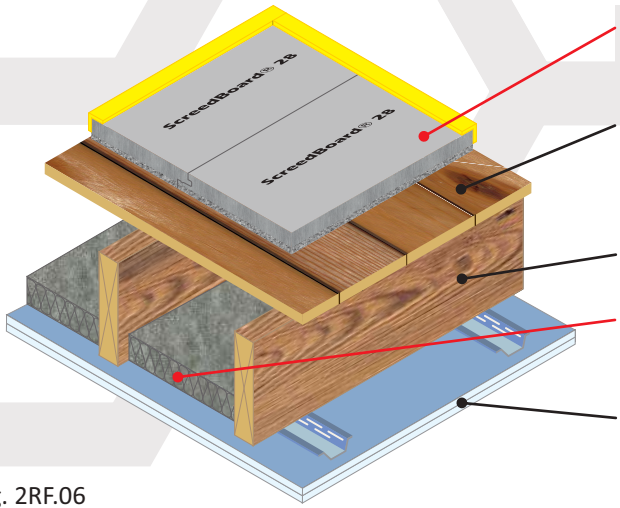



Fig. 2RF.06

| | |
|---|---|
| **Floating floor treatment** | **CELLECTA ScreedBoard® 28** (See Table 2RF.06a 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) |
| **Joists** | 200mm (min) solid timber joists |
| **Absorbing material** | ○ 50mm CELLECTA FIBRE*fon*® Micro 50<br>● 100mm (min) mineral wool (45kg/m³) |
| **Ceiling** | See Table 2RF.06b for ceiling treatment |



Table 2RF.06a

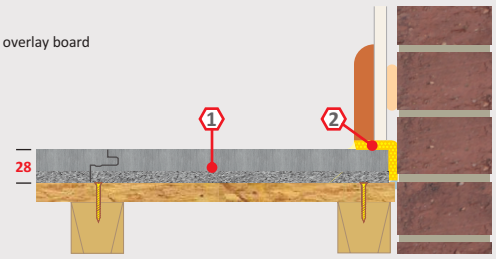
## Installation Details

**Resilient overlay platform floor system**

① **ScreedBoard® 28** High density acoustic overlay board
Dimensions: 28mm x 600mm x 1200mm
Weight: 26kg/m² / 18.72kg/board

Ⓐ **CELLECTA Pro Adhesive**
ScreedBoard joint adhesive
**Bottle size:** 1L / 33m² coverage

② **YELO*fon*® FS50**
Preformed flanking strip:
6mm x 50mm x 30mm x 2m




Additional Products for this application
○ 50mm CELLECTA FIBRE*fon* Micro 50 non-itch polyester quilt
● 100mm (min) mineral wool 45kg/m³

Install **RUBBER*fon*® TSS** (Threshold Support Strip) at door thresholds or where square edge boards meet, reducing excessive flex, whilst maintaining acoustic performance.
**Composition:** 100% recycled re-bonded rubber
**Size:** 8mm x 75mm x 1000mm

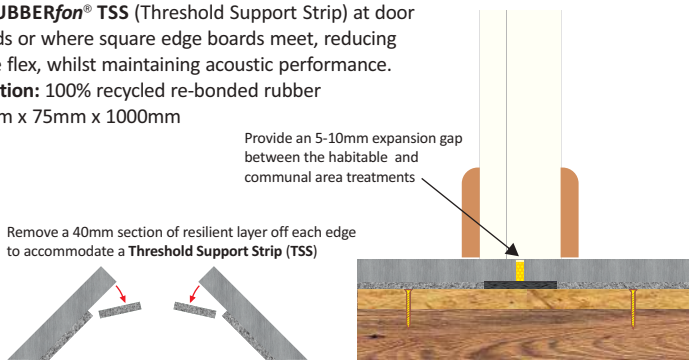
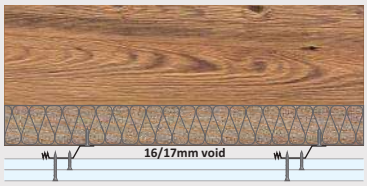



Table 2RF.06b

## 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 (max) centres.
○ 30mm CELLECTA **HP30** resilient bars mounted at right angles to the joists at 600mm (max) centres.

**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.




Standard resilient bars set at 450mm (max) centres


**HP30** resilient bars set at 600mm (max) centres

**+ 3 dB $R_w + C_{tr}$** (1)
**+ 2 dB $L_{n,w}$** (1)

(1) Typical dB improvement of **HP30** over 16mm resilient bars.

## Acoustic Performance

**Airborne:** 52dB $R_w + C_{tr}$
**Impact:** 54dB $L_{n,w}$

Performance values quoted were achieved using 50 x 235mm solid timber and 16mm resilient bar 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

CLASS B*fl*,S1
BS EN13501-1

SRL Performance Tested

bmtrada 2015

## Environmental Credentials

GWP <5

100% Recycled Gypsum

zero ODP



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