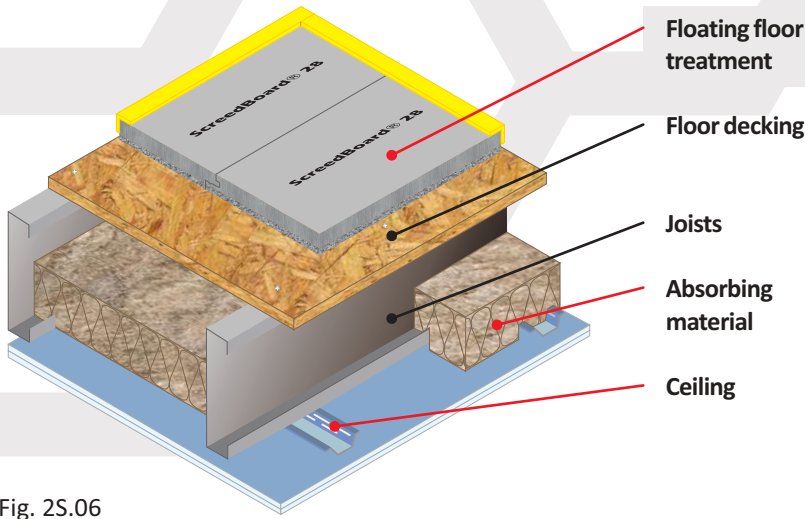


Metal C-section joist separating floor

Robust Detail E-FS-3

CELLECTA ScreedBoard® 28 laid on sub-floor
Metal C-section joists
 Use with lightweight metal frame walls only



CELLECTA ScreedBoard® 28
 (See Table 2S.06a for full details)

Floor decking 18mm thick (min) wood based board, density 600kg/m³

Joists 200mm⁽¹⁾ (min) deep metal C-section joists

- 50mm **CELLECTA FIBREfon® Micro 50**
- 100mm (min) quilt insulation (10-36kg/m³)

Ceiling See Table 2S.06b for ceiling treatment options featuring 30mm deep **CELLECTA HP30** resilient bars

(1) 254mm(min) required for Robust Detail applications

Fig. 2S.06



Table 2S.06a

Installation Details

Resilient overlay platform floor system

- ScreedBoard® 28** Ultra high performance, dense acoustic composite 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
- YELOfon® FS50**
 Preformed flanking strip
 6mm x 50mm x 30mm x 2m

CLASS Bfl,S1
 BS EN13501-1

Additional items required:
 CELLECTA ScreedBoard fixing tools
 Sound absorbing quilt laid between joists:
 ○ 50mm **CELLECTA FIBREfon Micro 50** non-itch polyester wool
 ● 100mm (min) Mineral wool 10-36kg/m³

Table 2S.06b

Ceiling Treatment Options

Ceiling board fixings must not penetrate or touch the floor joists
 30mm **CELLECTA HP30** Resilient Bars (3m long) mounted at right angles to the joists at 600mm (max) centres.

CT1 Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m²) fixed with 32mm screws and 12.5mm (nominal 10kg/m²) fixed with 42mm screws, with all joints staggered.

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 75mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum based board.

Construction notes
 Materials must be installed in accordance with manufacturers' and Robust Detail instructions to achieve required acoustic performance values.
 Wall treatments **MUST** be isolated from the floating floor with **YELOfon FS50** perimeter flanking strip.

Acoustic Performance

Airborne: 54dB $D_{nT,w} + C_{tr}$	Building Regs
Impact: 55dB $L_{nT,w}$	+ 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



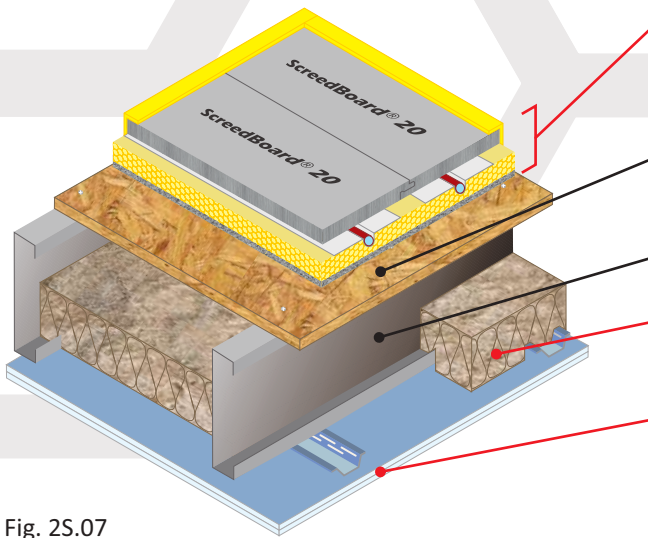
Environmental Credentials



Metal C-section joist separating floor

Robust Detail E-FS-3 + UFH

CELLECTA Mojave® acoustic/UFH floating floor system laid on timber sub-deck
Metal C-section joists and lightweight metal frame walls only



Acoustic + UFH treatment
CELLECTA Mojave® S1/8 acoustic treatment incorporating underfloor heating (see Table 2S.07a for full details)

Floor decking
18mm thick (min) wood based board, density 600kg/m³

Joists
200mm⁽¹⁾ (min) deep metal C-section joists

Absorbing material
50mm CELLECTA FIBREfon® Micro 50
100mm (min) quilt insulation (10-36kg/m³)

Ceiling
See Table 2S.07b for ceiling treatment options featuring 30mm deep CELLECTA HP30 resilient bars
(1) 254mm(min) required for Robust Detail applications

Fig. 2S.07



Table 2S.07a

Installation Details

Resilient overlay platform floor system incorporating underfloor heating

Mojave® S1/8
Dry laid acoustic treatment incorporating underfloor heating system

- ScreedBoard® 20**
High conductivity overlay board
Dimensions: 20mm x 600mm x 1200mm
Weight: 25kg/m² / 18.00kg/board
Thermal resistance: 0.05m²K/W
- CELLECTA Pro Adhesive**
ScreedBoard joint adhesive
Bottle size: 1L / 33m² coverage
- ULTRAplate**
Aluminium heat diffuser plate (to suit pipe installed)
Dimensions: 130mm x 1000mm
- XFLO® 250/300/500**
High compressive strength routed XPS insulation board
Dimensions: 15-75mm x 600mm x 2500mm
Pipe centre: 150, 200, 300mm
Pipe bore size (OD): 10 - 20mm (manufactured to suit)
- FIBREfon® 8**
High performance resilient layer
Dimensions: 8mm x 600mm x 1200mm
Weight: 1kg/m² / 0.72kg/board
- YELOfon® ESS/100**
Perimeter edge strip
Dimensions: 5mm x 100mm x 50mm

UFH water pipe (by others)

Additional item required:
CELLECTA ScreedBoard fixing tools

Table 2S.07b

Ceiling Treatment Options

Ceiling board fixings must not penetrate or touch the floor joists
30mm CELLECTA HP30 Resilient Bars (3m long) mounted at right angles to the joists at 600mm (max) centres.

CT1 Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m²) fixed with 32mm screws and 12.5mm (nominal 10kg/m²) fixed with 42mm screws, with all joints staggered.

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.

Construction notes
Materials must be installed in accordance with manufacturers' and Robust Detail instructions to achieve required acoustic performance values.
Wall treatments MUST be isolated from the floating floor with YELOfon ESS/100 perimeter flanking strip.

Acoustic Performance

Airborne:	55dB $D_{nT,w} + C_{tr}$	Building Regs
Impact:	54dB $L_{nT,w}$	+ 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