

Separating floor - Cross laminate timber (CLT)

CELLECTA **ScreedBoard** treatment laid on cross laminate timber floor
Use with timber frame walls only

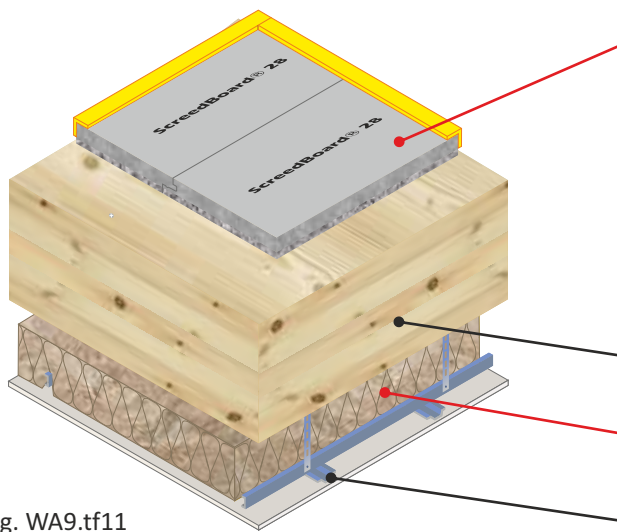


Fig. WA9.tf11

Floating floor treatment options

- CELLECTA ScreedBoard 28**
Ultra high performance, dense acoustic composite overlay board
 - CELLECTA ScreedBoard 20**
Highly conductive interlocking floorboard
- CELLECTA ULTRAplate 0.5**
Aluminium heat diffuser plate manufactured to suit pipe diameter
- CELLECTA XFLO 250/300/500**
High compressive strength underfloor heating insulation board
- CELLECTA FIBREfon 8** Resilient layer

Structural floor

Cross laminate timber (CLT) floor planks (200mm min)

Absorbing material

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

Ceiling

See Table WA9.tf11b for ceiling treatment options

Table WA9.tf11a

Installation Options

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

YELOfon FS50
Profiled perimeter flanking strip
Dimensions: 6mm x 50mm x 30mm x 2m

Additional item required
CELLECTA PRO joint adhesive - 1litre / 33m² coverage
CELLECTA ScreedBoard fixing tools

Resilient overlay platform floor system incorporating UFH system

ScreedBoard 20 Highly conductive, high density overlay board
Dimensions: 20mm x 600mm x 1200mm
Weight: 25kg/m² / 18kg/board
Thermal resistance: 0.05m²K/W

Under floor heating insulation board
XFLO Routed high compressive strength XPS
Dimensions: 25-160mm x 600mm x 2500mm
Pipe centres: 150, 200, 300mm
Pipe bore size (OD): 10-20mm

FIBREfon 8
High performance resilient layer
Dimensions: 8mm x 600mm x 1200mm

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 FS50** or **ES5/100** flanking strip.
Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant).

Table WA9.tf11b

Ceiling Treatment Options

Any metal frame ceiling system - 100mm void (min)

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.

CELLECTA Ultra Ceiling: Metal frame ceiling system incorporating CELLECTA AH50 acoustic hangers - unique rubber isolated hanger fixed to MF ceiling strap/profile with suitable fixings. 150mm void (min)

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.

Sound absorbing quilt fitted in ceiling void

- 50mm **CELLECTA FIBREfon Micro 50**
- 100mm (min) mineral wool quilt 10-35kg/m³

Acoustic Performance

Airborne: 50dB $D_{nT,w} + C_{tr}$	Building Regulations
Impact: 54dB $L_{nT,w}$	+ 5dB

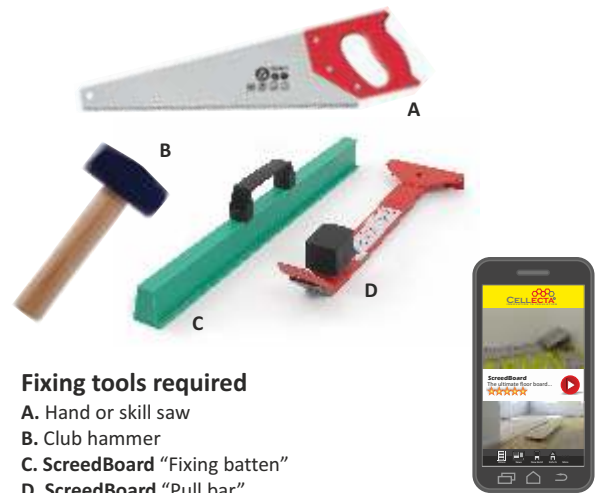
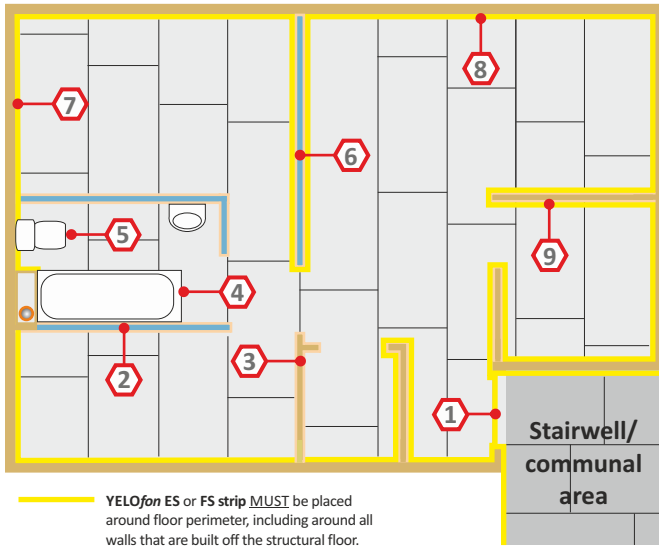
Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).
Airborne performance tested in accordance with BS EN ISO 140-4:1998
Impact performance tested in accordance with BS EN ISO 140-7:1998

Third Party Accreditation and Approvals



Design & installation details - CELLECTA ScreedBoard

The acoustic performance of the floor structure will be compromised if the **ScreedBoard's** are not completely isolated from the sub-floor, soil pipes, door frames, surrounding walls and their treatments. To address this risk, each potential problem area needs to be detailed accordingly.

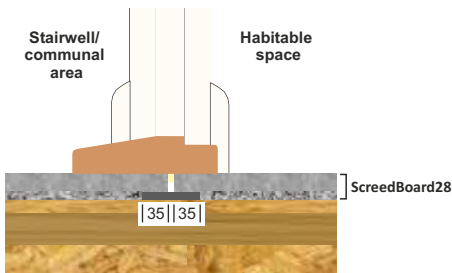


Fixing tools required

- A. Hand or skill saw
- B. Club hammer
- C. ScreedBoard "Fixing batten"
- D. ScreedBoard "Pull bar"
- Packing shims (not shown)

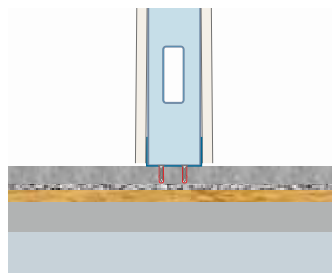
Installation video on the **CELLECTA** app

1 Door threshold



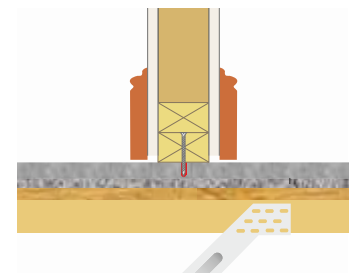
To add additional support, trim off 35mm of the resilient later from the leading edges and install a 75mm wide **RUBBERfon Threshold Support Strip (TTS)**.

2 Metal frame partition built off the floor treatment



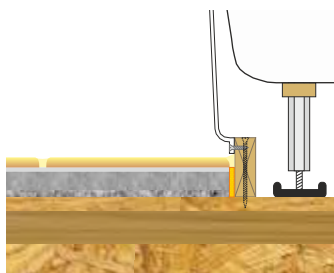
Non-load bearing metal frame walls can be built directly off the **ScreedBoard 20/28**. Care should be taken to ensure screws **DO NOT** penetrate the resilient layer.

3 Timber stud partition built off the floor treatment



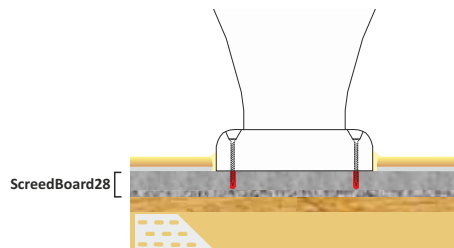
Non-load bearing timber stud walls can be built directly off the **ScreedBoard 20/28**. Care should be taken to ensure screws **DO NOT** penetrate the resilient layer.

4 Baths, shower trays and sanitary ware built off the structural floor



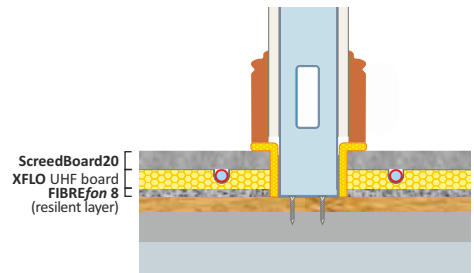
Baths, shower trays and sanitary ware built off the structural floor should be isolated from the **ScreedBoard 28** and any floor finished.

5 Baths, shower trays and sanitary ware built off the floor treatment.



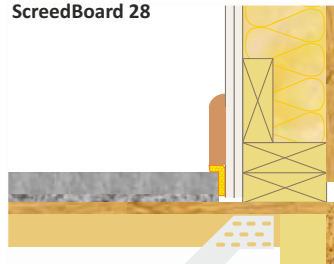
Baths, shower trays and sanitary ware can be built directly off the **ScreedBoard 28**. Ensure the screws do not penetrate the resilient layer.

6 Metal frame partition built off the structural floor



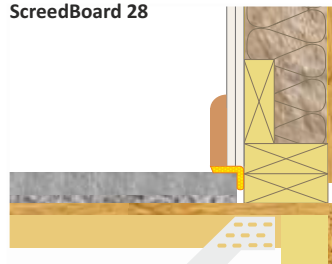
Lightweight partition walls built off the structural floor **MUST** be isolated from the **ScreedBoard** with **YELOfon FS50** or **ES5/100** flanking strip.

7 Wall treatment installed before the ScreedBoard 28



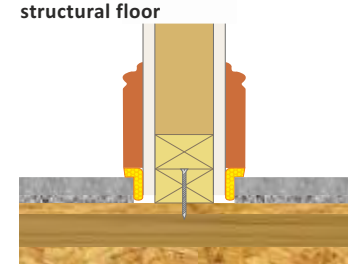
Wall treatments **MUST** be isolated from the **ScreedBoard 28** with **YELOfon FS50** strip.

8 Wall treatment installed after the ScreedBoard 28



Wall treatments **MUST** be isolated from the **ScreedBoard 28** with **YELOfon FS50** strip.

9 Timber stud partition built off the structural floor



Lightweight internal walls built off the structural floor **MUST** be isolated from the **ScreedBoard** with **YELOfon FS** strip.