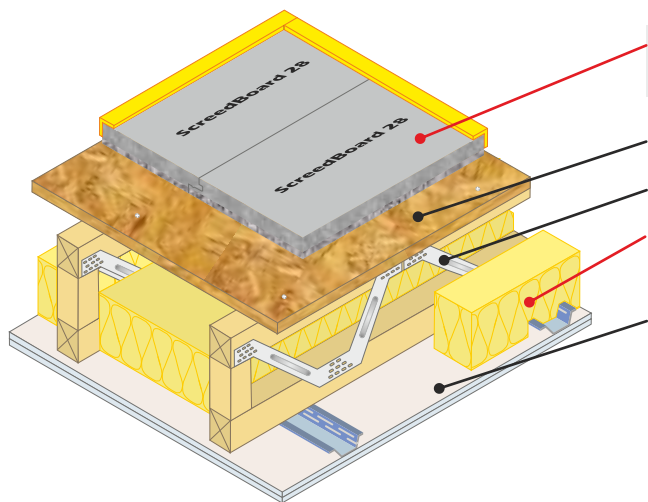


CELLECTA ScreedBoard 28 laid on timber sub-deck
Use with timber frame walls only



Floating floor treatment

CELLECTA ScreedBoard 28

Ultra high performance, dense acoustic composite overlay board

Floor decking

15mm⁽¹⁾ (min) thick wood based board

Joists

253mm (min) metal web joists

Absorbing material

○ 50mm CELLECTA FIBREfon Micro 50

● 100mm (min) quilt insulation (10-36kg/m³)

Ceiling

See Table WA9.tf09b for ceiling treatment

⁽¹⁾ 18mm(min) required for Robust detail applications

FASTRACKCAD
ARCHITECTURAL CAD DATABASES

Plus

Fig. WA9.tf09

Table WA9.tf09a

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

WA9.tf08
"Click" edge detail

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

Additional items required
CELLECTA PRO joint adhesive - 1Litre / 33m² coverage
CELLECTA ScreedBoard fixing tools
Sound absorbing quilt laid between joists:
○ 50mm CELLECTA FIBREfon Micro 50 non-itch polyester wool
100mm (min) Mineral wool 10-33kg/m³

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 flanking strip. Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant).

Table WA9.tf09b

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 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.

Plus sacrificial ceiling
Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum based board.

CT3 - 30mm CELLECTA HP30 resilient bars mounted at right angles to the joists at 600mm (max) centres.

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

Airborne:	53dB $D_{nT,w} + C_{tr}$	Building Regulations
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



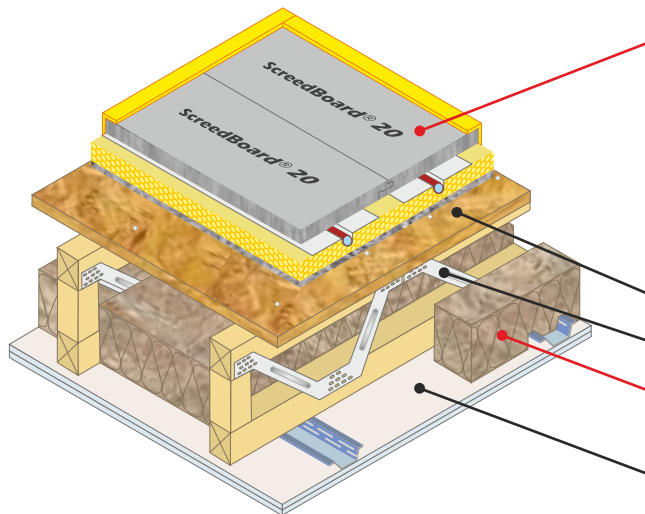
Separating floor - Timber I-joists

Robust Detail E-FT-6

CELLECTA ScreedBoard 20 laid on under floor heating insulation board

FIBREfon 8 resilient layer laid on timber sub-deck

Use with timber frame walls only



Floating floor treatment

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

Floor decking

15mm⁽¹⁾ (min) thick wood based board

Joists

253mm (min) metal web joists

Absorbing material

50mm **CELLECTA FIBREfon Micro 50**

100mm (min) quilt insulation (10-36kg/m³)

See Table WA9.tf010b for ceiling treatment options

Ceiling

Fig. WA9.tf10

Table WA9.tf10a

Table WA9.tf10b

Installation Options

Resilient overlay platform floor 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

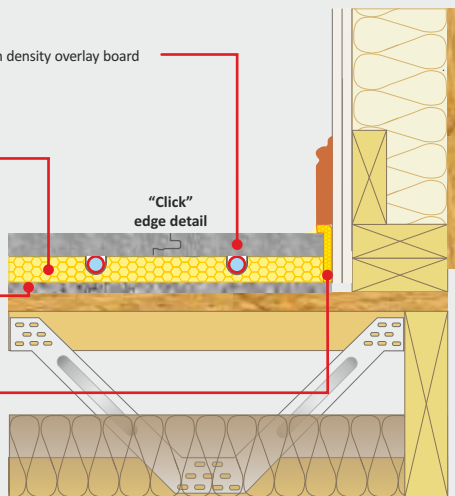
High performance resilient layer
Dimensions: 8mm x 600mm x 1200mm

YELOfon ES5/100

Perimeter edge strip
Dimensions: 5mm x 100mm x 50m

Additional items required

CELLECTA ULTRAplate 0.5 heat diffuser plate - 1000mm long
CELLECTA PRO joint adhesive - 1litre / 33m² coverage
CELLECTA ScreedBoard fixing tools
Sound absorbing quilt laid between joists:
50mm CELLECTA FIBREfon Micro 50 non-itch polyester quilt
100mm (min) Mineral wool 10-33kg/m³

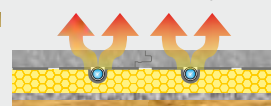


HIGH COMPRESSIVE
250-500kPa
STRENGTH XPS

R-value: 0.237m²K/W



R-value: 0.050m²K/W



Screedboard 20 is **5x more thermally conductive** than a FFT1 floor treatment (18 chipboard + 19mm plasterboard plank), allowing heat pumps and boilers to run at maximum efficiency and the UFH system to be more responsive.

Ceiling Treatment Options

Ceiling boards must not penetrate or touch joists

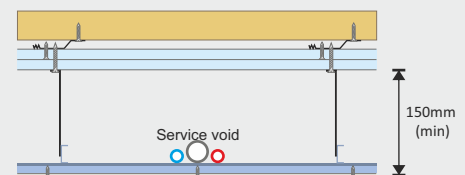
16mm (min) metal resilient bars mounted at right angles to the joists at 400mm centres.

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.

Plus sacrificial ceiling

Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum based board.



CT3 - 30mm CELLECTA HP30 resilient bars mounted at right angles to the joists at 600mm (max) centres.

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 note

Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant).

Acoustic Performance

Airborne: 54dB D_{nT,w} + C_{tr}

Impact: 55dB L_{nT,w}

Building Regulations
+ 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

RD
Proprietary Treatment

NHBC
LABC warranty
Premier Guarantee
Accepted

SYSTEM CERTIFICATION
BMT RADA
ISO 9001: 2015

CLASS Bfl,S1
BS EN13501-1

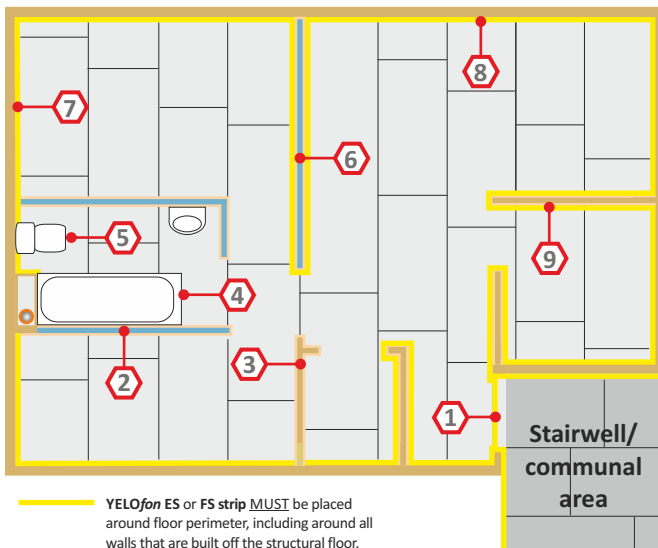
Environmental Credentials

GWP
<5

100%
Recycled Gypsum

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.

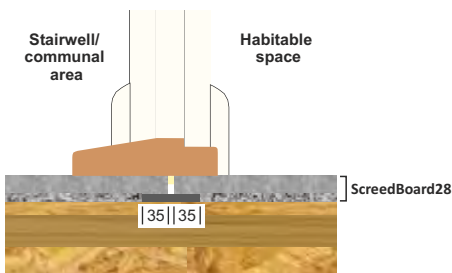


Fixing tools required

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

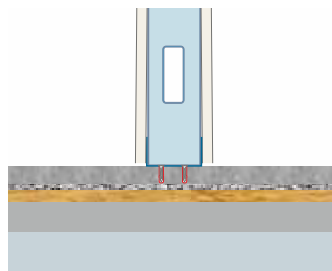
Installation video on the **CELLECTA** app

1 Door threshold



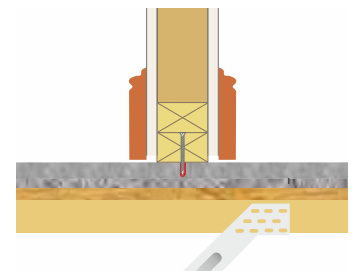
To add additional support, trim off 35mm of the resilient later from the leading edges and install a 75mm wide **RUBBERfon Threshold Support Strip (TTS)**.

2 Metal frame partition built off the floor treatment



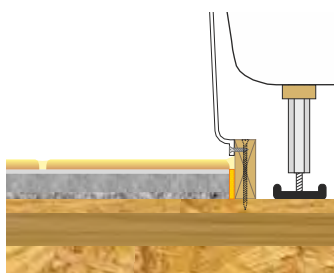
Non-load bearing metal frame walls can be built directly off the **ScreedBoard 20/28**. Care should be taken to ensure screws **DO NOT** penetrate the resilient layer.

3 Timber stud partition built off the floor treatment



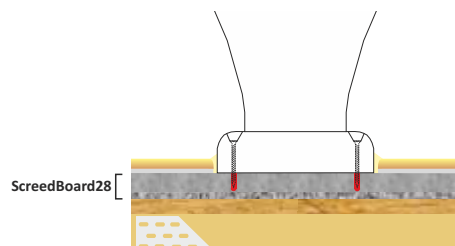
Non-load bearing timber stud walls can be built directly off the **ScreedBoard 20/28**. Care should be taken to ensure screws **DO NOT** penetrate the resilient layer.

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



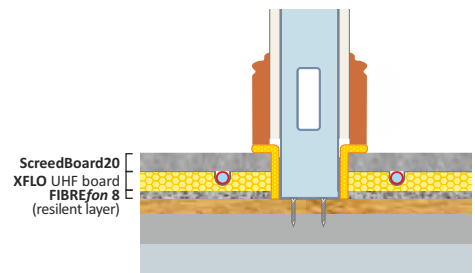
Baths, shower trays and sanitary ware built off the structural floor should be isolated from the **ScreedBoard 28** and any floor finished.

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



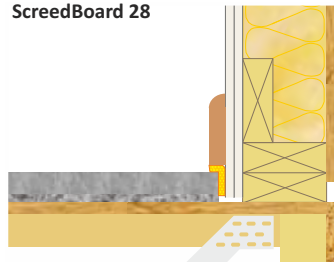
Baths, shower trays and sanitary ware can be built directly off the **ScreedBoard 28**. Ensure the screws do not penetrate the resilient layer.

6 Metal frame partition built off the structural floor



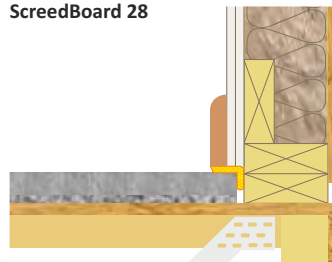
Lightweight partition walls built off the structural floor **MUST** be isolated from the **ScreedBoard** with **YELOfon F550** or **ES5/100** flanking strip.

7 Wall treatment installed before the ScreedBoard 28



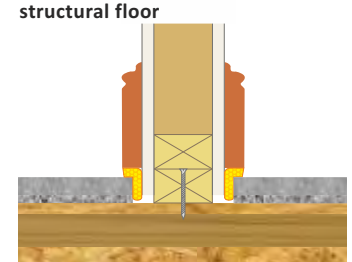
Wall treatments **MUST** be isolated from the **ScreedBoard 28** with **YELOfon F550** strip.

8 Wall treatment installed after the ScreedBoard 28



Wall treatments **MUST** be isolated from the **ScreedBoard 28** with **YELOfon F550** 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.