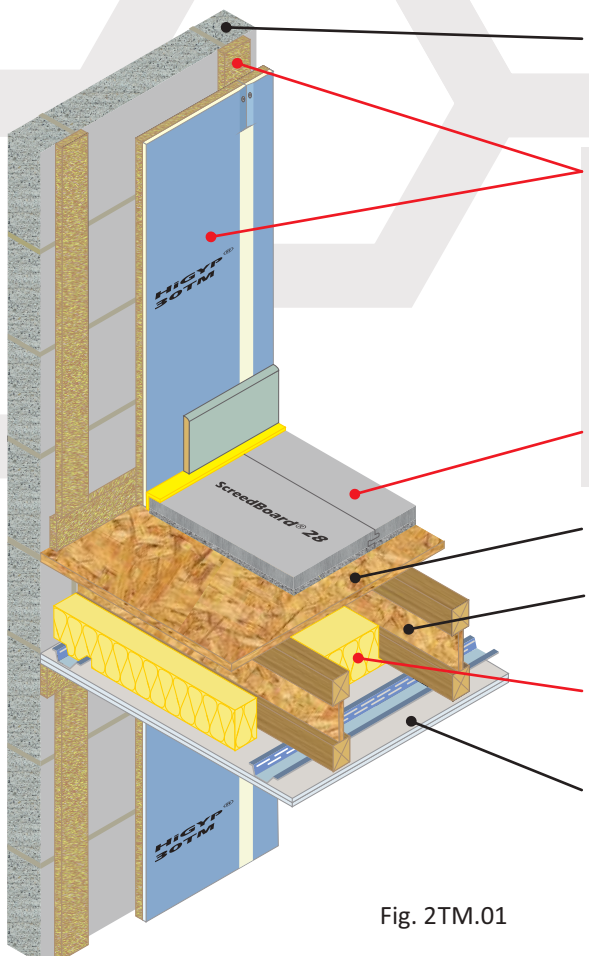


New build masonry flanking walls with timber separating floor

Patented Treatment



CELLECTA HiGYP® 30TM composite acoustic wall lining system
CELLECTA ScreedBoard® 28 laid on timber sub-floor
 Suitable for aircrete and aggregate block flanking cavity walls

- Masonry wall (Inside skin)**
- 100mm (min) aircrete block (600 - 800kg/m³)
 - 100mm (min) aggregate block (1350 - 2300kg/m³)

Wall treatment CELLECTA HiGYP® 30TM wall lining fixed through the Baffle Strips, to the wall with CELLECTA AF100 fixings

CELLECTA FIBREfon® Baffle Strips fixed horizontally at the head and base of the wall, and vertically at 600mm (max) centres

Floating floor treatment CELLECTA ScreedBoard® 28⁽¹⁾
 See Table 2TM.01a for full details

Floor decking 15mm thick (min) OSB

- Floor joists**
- 235mm (min) timber I-joists
 - 253mm (min) metal web joists

- Absorbing material**
- 50mm CELLECTA FIBREfon® Micro 50
 - 100mm (min) mineral wool (10-36kg/m³)

Ceiling See Table 2TM.01b for ceiling treatment

Fig. 2TM.01



Table 2TM.01a

Installation Details

Acoustic wall lining system

- HiGYP® 30TM**
High performance composite acoustic wall lining
Dimensions: 30mm x 1200mm x 2400mm
Weight: 15.90kg/m² / 45.79kg/sheet
- FIBREfon® Baffle Strip**
High performance sound absorption strip
Dimensions: 15mm x 75mm x 1200mm
- CELLECTA AF100 Fixing**
Length: 100mm long
Drill diameter required: 8mm

Resilient overlay platform floor

- ScreedBoard® 28**
High density acoustic overlay board (26kg/m²)
Dimensions: 28mm x 600mm x 1200mm
- YELOfon® FS50**
Prefomed flanking strip:
6mm x 50mm x 30mm x 2m

Additional items required to complete treatment
 CELLECTA Pro Adhesive ScreedBoard joint adhesive
 ● 50mm CELLECTA FIBREfon Micro 50 non-itch polyester quill
 ● 100mm (min) mineral wool 45kg/m³

Table 2TM.01b

Ceiling Options

Ceiling boards must not penetrate or touch joists
 30mm CELLECTA HP30 resilient bars mounted at right angles to the joists at 600mm (max) centres.

Ceiling treatment

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 150mm (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' instructions to achieve stated acoustic values. Wall treatments **MUST** be isolated from the floating floor with YELOfon FS50 strip. Ensure services do not come into direct contact with the floor treatment.

Acoustic Performance

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 Approvals and Certification



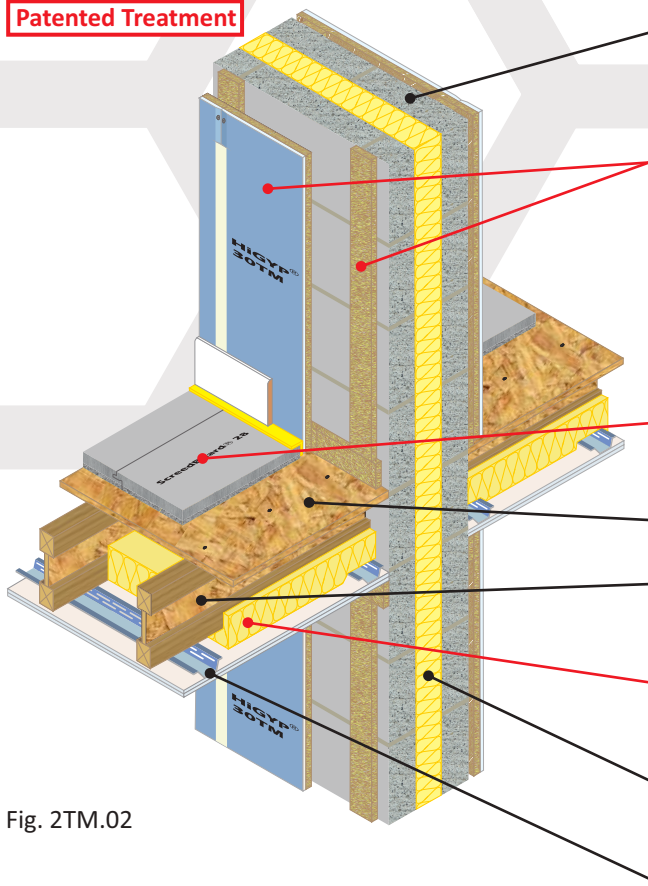
Environmental Credentials



New build masonry separating wall with timber separating floor

CELLECTA HiGYP® 30TM composite acoustic wall lining system
CELLECTA ScreedBoard® 28 laid on timber sub-floor
 Suitable for aircrete and aggregate block separating cavity walls

Patented Treatment



- Masonry separating wall**
 - 100mm (min) aircrete block (600 - 800kg/m³)
 - 100mm (min) aggregate block (1350 - 2300kg/m³)
- Wall treatment**

CELLECTA HiGYP® 30TM wall lining fixed through the **Baffle Strips**, to the wall with **CELLECTA AF100** fixings

CELLECTA FIBREfon® Baffle Strips fixed horizontally at the head and base of the wall, and vertically at 600mm (max) centres
- Floating floor treatment**

CELLECTA ScreedBoard® 28⁽¹⁾
See Table 2TM.02a for full details
- Floor decking**

15mm thick (min) OSB
- Floor joists**
 - 235mm (min) timber I-joists
 - 253mm (min) metal web joists
- Absorbing material**
 - 50mm **CELLECTA FIBREfon® Micro 50**
 - 100mm (min) mineral wool (10-36kg/m³)
- Cavity insulation**

75mm (min) full fill mineral wool to address thermal bypass effect (10-36kg/m³)
- Ceiling**

See Table 2TM.02b for ceiling treatment

Fig. 2TM.02

Table 2TM.02a

Installation Details

Acoustic wall lining system

- 1 HiGYP® 30TM**
High performance composite acoustic wall lining
Dimensions: 30mm x 1200mm x 2400mm
Weight: 15.90kg/m² / 45.79kg/sheet
- 2 FIBREfon® Baffle Strip**
High performance sound absorption strip
Dimensions: 15mm x 75mm x 1200mm
- F CELLECTA AF100 Fixing**
Length: 100mm long
Drill diameter required: 8mm

Resilient overlay platform floor

- 3 ScreedBoard® 28**
High density acoustic overlay board (26kg/m²)
Dimensions: 28mm x 600mm x 1200mm
- 4 YELOfon® FS50**
Preformed flanking strip:
6mm x 50mm x 30mm x 2m

Additional items required to complete treatment
CELLECTA Pro Adhesive - ScreedBoard joint adhesive
 ● 50mm **CELLECTA FIBREfon Micro 50** non-itch polyester quilt
 ● 100mm (min) mineral wool 45kg/m³

Table 2TM.02b

Ceiling Options

Ceiling boards must not penetrate or touch joists
 30mm **CELLECTA HP30** resilient bars mounted at right angles to the joists at 600mm (max) centres.

Ceiling treatment

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

Separating wall

Airborne
52dB D _{nT,w} + C _{tr}

Separating floor

Airborne	Impact
51dB D _{nT,w} + C _{tr}	53dB L _{nT,w}

Acoustic Performance

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 Approvals and Certification



Environmental Credentials

