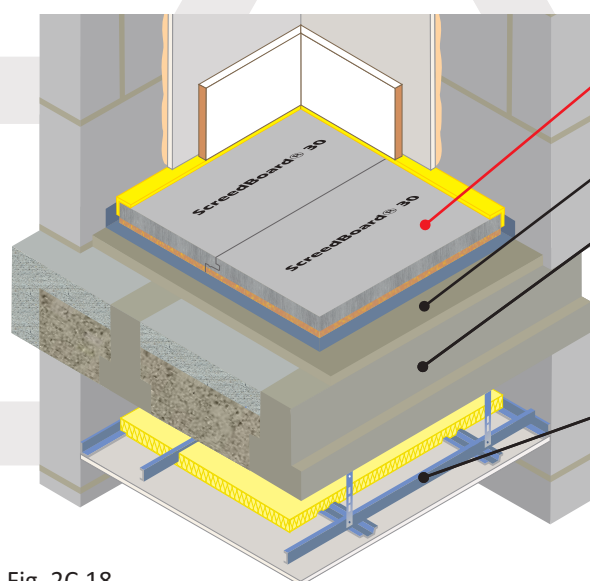


# Modified beam & block separating floor

PCT solution to Robust Detail: E-FC-7

CELLECTA ScreedBoard® 30 laid on beam and block floor with precast or in-situ edge beams  
For use with dense aggregate block flanking walls only



Floating floor treatment

CELLECTA ScreedBoard® 30  
(See Table 2C.18a for full details)

Levelling screed

10mm (min) levelling screed

Structural floor

Beam and block, min 100mm thick dense aggregate infill blocks, min 50mm concrete topping, min strength class C20, to floor blocks, min 300kg/m<sup>2</sup> (min) combined mass per unit area

Ceiling

See Table 2C.18b for ceiling treatment options

Fig. 2C.18

**FASTRACKCAD**  
ARCHITECTURAL CAD DATABASES

Available on  
bimstore.co

**NSPlus**

Table 2C.18a

### Installation Details

#### Resilient overlay platform floor system

- ScreedBoard® 30** high performance, dense acoustic composite overlay board  
Dimensions: 30mm x 600mm x 1200mm  
Weight: 27.20kg/m<sup>2</sup> / 19.58kg/board
- CELLECTA Pro Adhesive**  
ScreedBoard joint adhesive  
Bottle size: 1L/33m<sup>2</sup> coverage
- YELOfon® FS50**  
Preformed flanking strip:  
6mm x 50mm x 30mm x 2m

Additional items required:  
CELLECTA ScreedBoard fixing tools

CLASS B<sub>f</sub>/S1  
BS EN13501-1

Table 2C.18b

### Ceiling Treatment Options

Metal frame ceiling system providing a overall depth of not less than 300mm from top of beam and ceiling board

One layer of nominal 10kg/m<sup>2</sup> gypsum-based board 25mm (min) fibre quilt (min 10kg/m<sup>3</sup>) in ceiling void to cover whole ceiling board area

**Construction notes**  
Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Slab/levelling screed must be to SR2 Standard. Wall treatments must be isolated from the floating floor with YELOfon FS strip.

## Acoustic Performance

<b>Airborne:</b>	<b>54dB <math>D_{nT,w} + C_{tr}</math></b>	<b>Building Regs</b>
<b>Impact:</b>	<b>55dB <math>L_{nT,w}</math></b>	<b>+ 5dB</b>

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



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