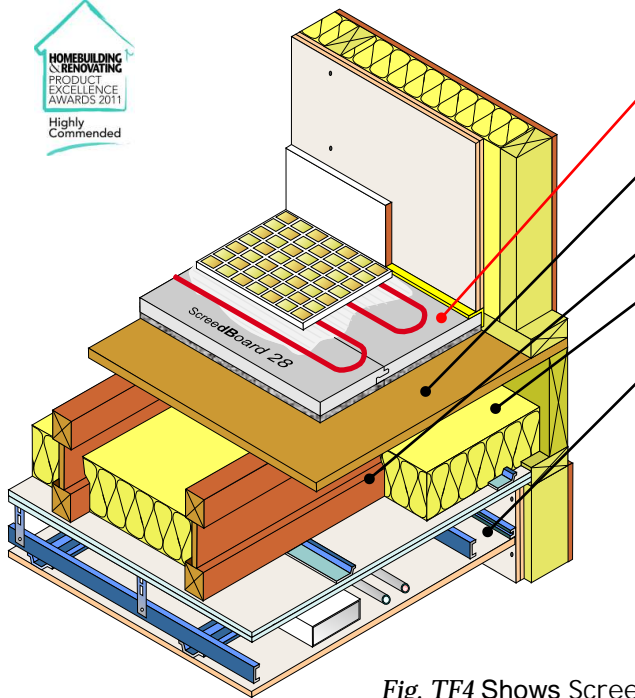


Collecta ScreedBoard 28 laid on timber sub-floor  
 Timber I-joists  
 Use with timber frame walls only



<b>Floating floor treatment</b>	Collecta ScreedBoard 28 (See Table TF4 for full details)
<b>Floor decking</b>	15 <sup>(1)</sup> mm thick (min) wood based board, density 600kg/m <sup>3</sup> (min)
<b>Joists</b>	240mm (min) timber I-joists
<b>Absorbing material</b>	100mm (min) quilt insulation (10-36g/m <sup>3</sup> ) between joists
<b>Ceiling</b>	See Table TF4 for ceiling treatment

<sup>(1)</sup> 18mm (min) required for Robust detail applications

**FASTRACKCAD**  
 ARCHITECTURAL CAD DATABASES



Fig. TF4 Shows ScreedBoard® 28 with optional electric underfloor heating

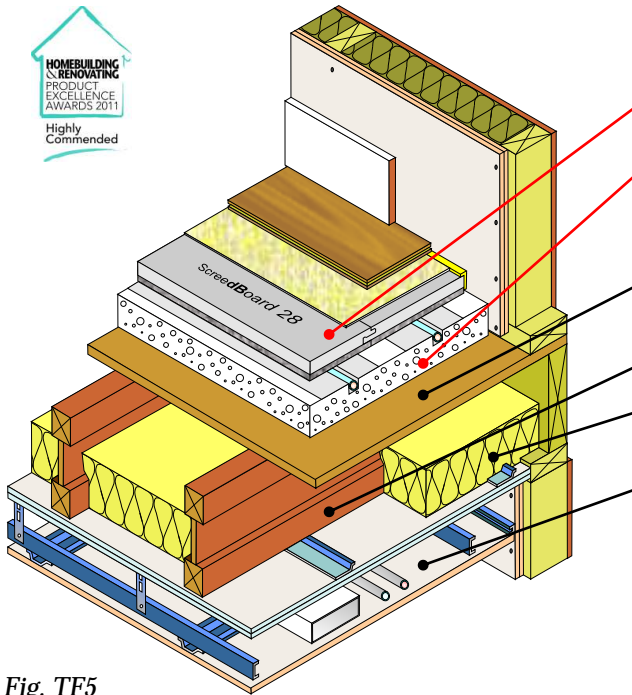
Table TF4

Robust detail E-FT-5 floating floor treatment	Perimeter resilient flanking strip required	Ceiling treatment						
<p><b>ScreedBoard® 28</b> <b>GWP 0</b></p> <p>High density composite resilient overlay treatment</p> <p><b>Additional layers required to complete treatment</b></p> <ul style="list-style-type: none"> <li>Mineral wool quilt laid between joists - 100mm (min) 10-33kg/m<sup>3</sup></li> </ul> <p><b>No need for screws</b>                      Interlocking edges glued together with Collecta SB joint adhesive</p> <p><b>Product information</b>                      Board dimensions: 28mm x 600mm x 1200mm                      Edge profile: Interlocking tongue &amp; groove                      Weight: 26.00kg/m<sup>2</sup> / 18.72kg per board                      Collecta SB joint adhesive: 1L to every 33m<sup>2</sup> of boards</p> <table border="1"> <tr> <td><b>Robust Detail mean performance</b></td> <td><b>Typical PCT performance</b><sup>(2)</sup></td> <td><b>Code credits*</b></td> </tr> <tr> <td><math>D_{nT,w} + C_w = 51\text{dB}</math> <math>L_{nT,w} = 55\text{dB}</math></td> <td><math>D_{nT,w} + C_w = 51\text{dB}</math> <math>L_{nT,w} = 55\text{dB}</math></td> <td>Mat 1 Pol 1 Hea 2 2 1 3</td> </tr> </table> <p><b>Benefits of ScreedBoard 28 over an acoustic batten system (FFT1)</b></p> <ul style="list-style-type: none"> <li>Grey dry screed finish</li> <li>Only 28mm thick</li> <li>Reduces number of brick courses required</li> <li>Able to accept ceramic tiles</li> <li>Only one component to install (+ edge strip)</li> <li>Interlocking edge detail - no screws req'd</li> <li>Weights only 18.72kg per board (0.72m<sup>2</sup>)</li> <li>Weights less per/m<sup>2</sup> than FFT1 treatment</li> <li>No need to employ a specialist contractor</li> <li>Quick and easy to install</li> </ul>	<b>Robust Detail mean performance</b>	<b>Typical PCT performance</b> <sup>(2)</sup>	<b>Code credits*</b>	$D_{nT,w} + C_w = 51\text{dB}$ $L_{nT,w} = 55\text{dB}$	$D_{nT,w} + C_w = 51\text{dB}$ $L_{nT,w} = 55\text{dB}$	Mat 1 Pol 1 Hea 2 2 1 3	<p><b>YELOfon® FS50</b></p> <p>Pre-formed polyethylene foam flanking angle: 6 mm x 50mm x 30mm x 2m installed around the perimeter of the flooring board to isolate floor from walls and skirting.</p>	<p><b>Ceiling board fixings must not penetrate or touch the floor joists</b>                      16mm (min) metal resilient bars mounted at right angles to the joist at 400mm centres.</p> <p><b>Primary ceiling:</b>  <b>CT1</b> - Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m<sup>2</sup>) fixed with 32mm screws and 12.5mm (nominal 10kg/m<sup>2</sup>) fixed with 42mm screws, with all joists staggered.</p> <p><b>CT2</b> - Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m<sup>2</sup>) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m<sup>2</sup>) fixed with 42mm screws, with all joists staggered.</p> <p><b>Sacrificial ceiling:</b>                      Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m<sup>2</sup> gypsum based board.</p> <p><b>Construction notes</b>                      Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant)</p>
<b>Robust Detail mean performance</b>	<b>Typical PCT performance</b> <sup>(2)</sup>	<b>Code credits*</b>						
$D_{nT,w} + C_w = 51\text{dB}$ $L_{nT,w} = 55\text{dB}$	$D_{nT,w} + C_w = 51\text{dB}$ $L_{nT,w} = 55\text{dB}$	Mat 1 Pol 1 Hea 2 2 1 3						

\* Code for Sustainable Homes (CSH) credits quoted are typical. Mat 1 value taken from the BRE Green Guide. Pol 1 credit is only awarded if all the other insulation products used have a GWP of <5. Hea 2 credits are based on the floor being pre-completion tested and the separating wall performing to at least the same acoustic standard. Credits subject to relevant category weighted value. See page 5 for further information.

**Acoustic values**  
<sup>(2)</sup> Values quoted are typical, based on the treatment being installed correctly and pre-completion tested.  
 Airborne performance tested in accordance with BS EN ISO 140-4:1998  
 Impact performance tested in accordance with BS EN ISO 140-7: 1998

Collecta ScreedBoard 28 laid on underfloor heating system  
 Timber I-joists  
 Use with timber frame walls only



<b>Floating floor treatment</b>	Collecta ScreedBoard 28 (See Table TF5 for full details)
<b>Insulation board</b>	12mm (min) routed or moulded extruded or expanded polystyrene insulation board
<b>Floor decking</b>	15 <sup>(1)</sup> mm thick (min) wood based board, density 600kg/m <sup>3</sup> (min)
<b>Joists</b>	240mm (min) timber I-joists
<b>Absorbing material</b>	100mm (min) quilt insulation (10-36g/m <sup>3</sup> ) between joists
<b>Ceiling</b>	See Table TF5 for ceiling treatment

<sup>(1)</sup>18mm(min) required for Robust detail applications



**FASTRACKCAD**  
 ARCHITECTURAL CAD DATABASES

Fig. TF5

Table TF5

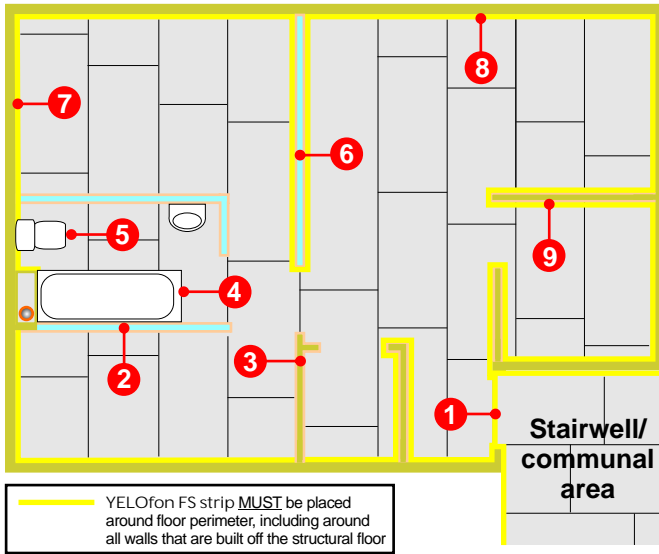
Robust detail E-FT-5 floating floor treatment	Perimeter resilient flanking strip required	Ceiling treatment						
<p><b>ScreedBoard® 28</b>                      High density composite resilient overlay treatment</p> <p><b>Option 1:</b>                      Underfloor heating thermal board                      X2i / X2i<sup>e</sup>                      High performance extruded polystyrene boards</p> <p><b>Option 2:</b>                      Routed or moulded expanded polystyrene (EPS) panel</p> <p><b>&lt;5 GWP</b>                      All components*</p> <p><b>Additional layers required to complete treatment</b></p> <ul style="list-style-type: none"> <li>Mineral wool quilt laid between joists - 100mm (min) 10-33kg/m<sup>3</sup></li> </ul> <p><b>Product information</b>                      ScreedBoard 28                      Board dimensions: 28mm x 600mm x 1200mm                      Edge profile: Interlocking tongue &amp; groove                      Weight: 26.00kg/m<sup>2</sup> / 18.72kg per board                      Thermal resistance: 0.20m<sup>2</sup>/KW                      Collecta SB joint adhesive: 1L for every 33m<sup>2</sup> of boards</p> <p>X2i / X2i<sup>e</sup>: see page 60 for further information                      EPS: refer to manufacturers technical data</p> <p><b>Construction notes</b>                      Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Wall treatments <b>MUST</b> be isolated from the floating floor with YELOfon ES5/120 flanking strip. Ensure services do not bridge the resilient layer. Services must not puncture primary ceiling lining (except cables, which should be sealed with flexible sealant).</p>	<p><b>YELOfon®</b>                      ES5/120</p> <p>Polyethylene foam flanking strip: 5mm x 120mm x 50m installed around the perimeter of the flooring board to isolate floor from walls and skirting.</p>	<p><b>Ceiling board fixings must not penetrate or touch the floor joists</b>                      16mm (min) metal resilient bars mounted at right angles to the joist at 400mm centres.</p> <p><b>Primary ceiling:</b>  <b>CT1</b> - Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m<sup>2</sup>) fixed with 32mm screws and 12.5mm (nominal 10kg/m<sup>2</sup>) fixed with 42mm screws, with all joists staggered.</p> <p><b>CT2</b> - Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m<sup>2</sup>) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m<sup>2</sup>) fixed with 42mm screws, with all joists staggered.</p> <p><b>Sacrificial ceiling:</b>                      Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m<sup>2</sup> gypsum based board.</p>						
<p><b>Robust Detail mean performance</b></p> <p><math>D_{nT,w} + C_{tr} = 51\text{dB}</math>  <math>L_{nT,w} = 55\text{dB}</math></p> <p><b>Code credits*</b></p> <table border="1"> <tr> <td>Mat 1</td> <td>Pol 1</td> <td>Hea 2</td> </tr> <tr> <td>2</td> <td>1</td> <td>3</td> </tr> </table> <p><b>Typical PCT performance<sup>(2)</sup></b></p> <p><math>D_{nT,w} + C_{tr} = 51\text{dB}</math>  <math>L_{nT,w} = 55\text{dB}</math></p>	Mat 1	Pol 1	Hea 2	2	1	3		
Mat 1	Pol 1	Hea 2						
2	1	3						

\* Code for Sustainable Homes (CSH) credits quoted are typical. Mat 1 value taken from the BRE Green Guide. Pol 1 credit is only awarded if all the other insulation products used have a GWP of <5. Hea 2 credits are based on the floor being pre-completion tested and the separating wall performing to at least the same acoustic standard. Credits subject to relevant category weighted value. See page 5 for further information.

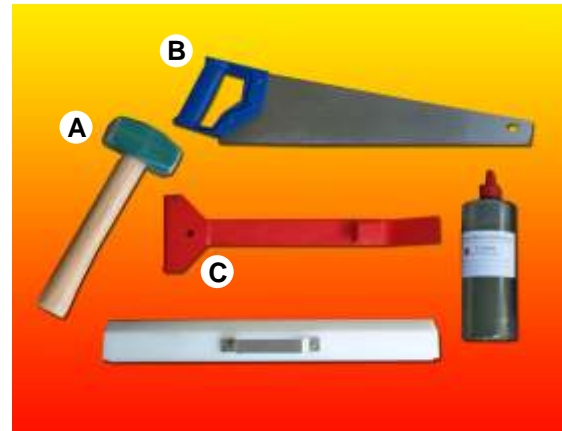
**Acoustic values**  
<sup>(2)</sup> Values quoted are typical, based on the treatment being installed correctly and pre-completion tested.  
 Airborne performance tested in accordance with BS EN ISO 140-4:1998  
 Impact performance tested in accordance with BS EN ISO 140-7: 1998

# Design & installation details - *Collecta* ScreedBoard® 28

The acoustic performance of the floor structure will be compromised if the ScreedBoard 28 is not completely isolated from the timber sub-floor, soil pipes, door frames, surrounding walls and their treatments. To address this risk, each potential problem area needs to be detailed accordingly.

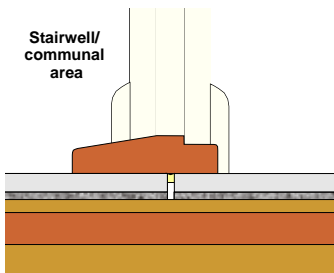


## Fixing tools



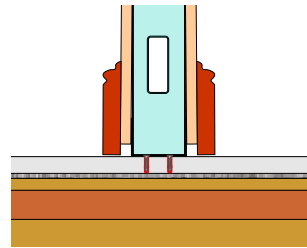
- A. Club hammer
- B. Hand or skill saw
- C. ScreedBoard® "Pull bar"
- D. ScreedBoard® "Fixing batten"
- E. ScreedBoard® adhesive
- Packing shims (not shown)

### 1 Door threshold



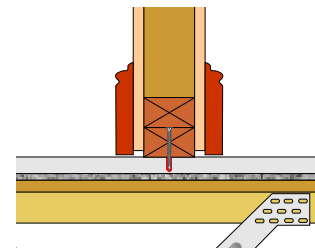
Leave a 5-10mm expansion gap between the habitable area and the communal area ScreedBoards.

### 2 Metal frame partition built off the floor treatment

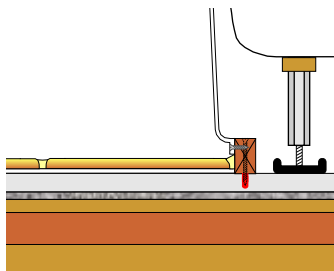


Non-load bearing metal frame or timber stud walls can be built directly off the ScreedBoard 28. Care should be taken to ensure screws **DO NOT** penetrate the resilient layer.

### 3 Timber stud partition built off the floor treatment

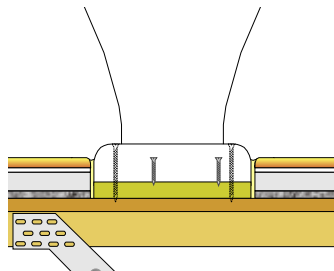


### 4 Baths, shower trays and sanitary ware built off floor treatment.



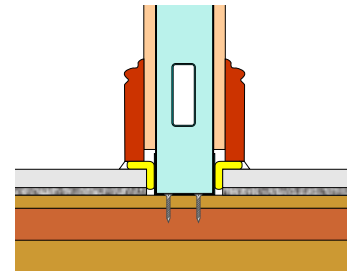
Baths, shower trays and sanitary ware can be built directly off the ScreedBoard 28. Under no circumstance should screws penetrate the resilient layer.

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



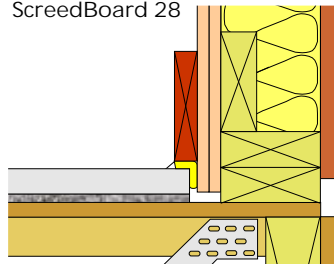
Baths, shower trays and sanitary ware built off the structural floor should be isolated from the ScreedBoard 28 and any floor finished.

### 6 Metal frame partition built off the structural floor



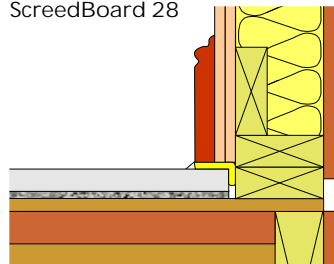
Lightweight partition walls built off the structural floor **MUST** be isolated from the ScreedBoard with YELOfon FS50 strip.

### 7 Wall treatment installed before the ScreedBoard 28



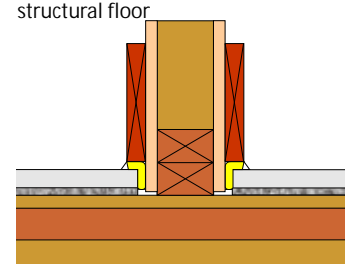
Wall treatments **MUST** be isolated from the ScreedBoard 28 with YELOfon FS50 strip.

### 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.