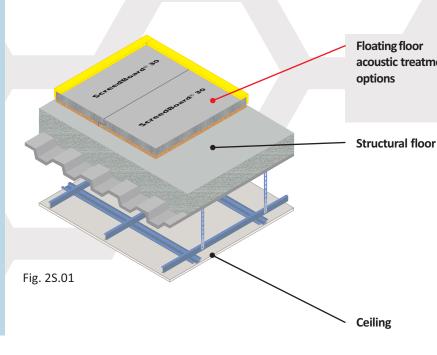
Steel-concrete composite separating floor

Robust Detail E-FS-1 / V-FS-1

CELLECTA floating floor treatment laid on in-situ concrete slab supported by profiled metal deck



FFT1 - CELLECTA DECKfon® Batten 70 acoustic treatment FFT2 - CELLECTA RUBBERfon® Cradles FFT3 - CELLECTA DECKfon® Batten 45 FFT4 - CELLECTA ScreedBoard® 30

FFT5 - CELLECTA FIBREfon® 12C/21C/28C

In-situ concrete slab supported by profiled metal decking:

- "Shallow" or "deep" profiled metal decking
- Overall distance from top surface of concrete to underside of ceiling treatment 300mm (min)
- · Concrete thickness 80mm (min) at shallowest point and 130mm (min) at deepest point
- Concrete density 2200kg/m³ (min)

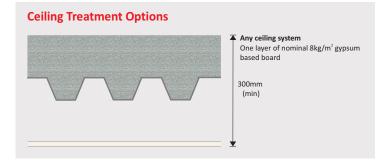
See Table 2S.01a for ceiling treatment options







Table 2S.01a



Acoustic Performance

Rd impact performance values quoted were conducted at Sound Research Laboratories (UKAS ref. 0444) in accordance with BS EN ISO 10140-3 and BS EN ISO 10140-4 and rated in accordance with BS EN ISO 717-2:2013 as detailed in Appendix D of the Robust Details hand book (minimum value required rd $\Delta L_{\rm w}$ = 17dB).

PCT values quoted are typical, based on the treatment being installed correctly and pre-completion tested, with airborne performance tested in accordance with BS EN ISO 140-4:1998 and impact performance tested in accordance with BS EN ISO 140-7: 1998.

Third Party Accreditation and Approvals





















Table 2S.01b

FFT1 Resilient composite deep batten system



Additional item required to complete treatment: 18mm (min) tongue & groove flooring board

Table 2S.01c

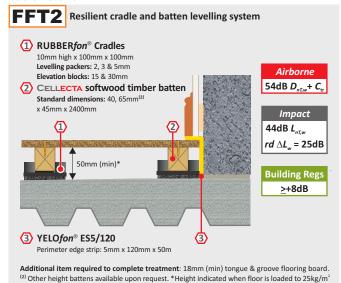


Table 2S.01d

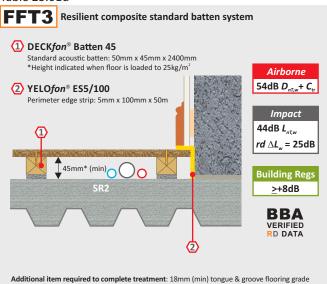


Table 2S.01e

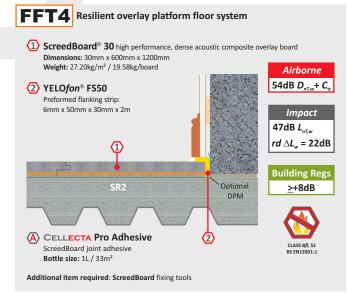
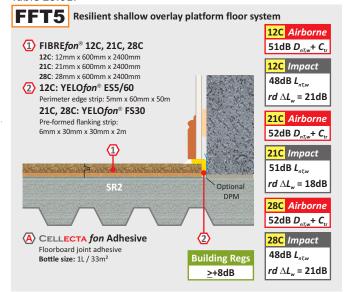


Table 2S.01f

VERIFIED RD DATA



Construction notes

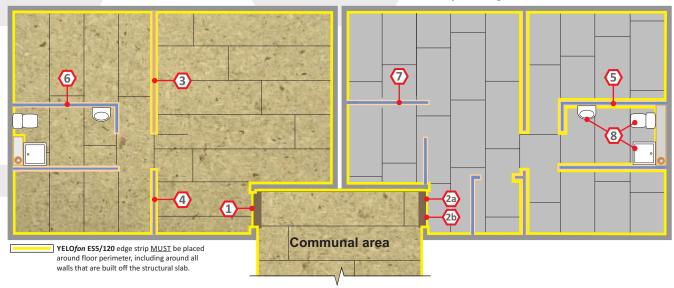
Ceiling treatments detailed can be used with any FFT listed in Table 2S.01b-f.
Slab/levelling screed must be to SR2 Standard when adopting FFT1, 3, 4 or 5.
No services should be installed within the treatment when adopting FFT5.
Materials must be installed in accordance with manufacturers' and Robust Detail instructions to achieve required acoustic performance values. Wall treatments MUST be isolated from the floating floor with YELOfon ES or FS perimeter flanking strip.

Floating floor treatment design & installation details: FFT1, 2, 3, 4 & 5

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

Batten based floating floor treatments

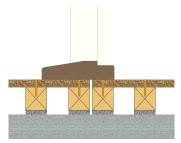
Overlay floating floor treatments



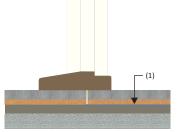
1 Door threshold FFT1, 2, 3



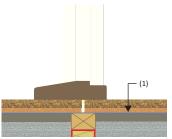
2b Door threshold FFT5



Double up battens each side of the door threshold to provide additional support. Refer to Part B and Section 2 fire safety regulations

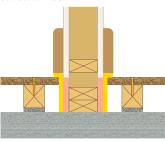


Leave a 5mm (min) gap between the habitable area treatment and the communal area treatment.



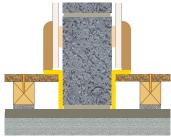
(1) On recently levelled floors, install a DPM below the FFT4, FFT5 floating floor treatment.

3 Timber stud partition built off the structural floor



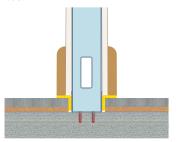
Lightweight internal walls built off the structural floor MUST be isolated from the floating floor treatment (FFT1, 2, 3) with YELOfon ES strip.

4 Internal blockwork wall built off the structural floor



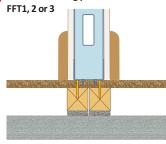
Internal block work walls built off the structural floor must be isolated from the floating floor treatment with **YELOfon ES** or **FS strip**.

Metal frame partition built off structural floor



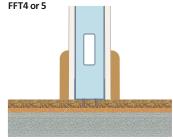
Lightweight internal walls built off the structural floor must be isolated from the floating floor treatment (FFT4, 5) with YELOfon FS strip.

6 Non-load bearing partition built off



Double up battens under internal non-load bearing

Non-load bearing partition built off FFT4 or 5



Internal non-load bearing walls can be built directly off the floor treatment. Fixings <u>MUST</u> not penetrate the resilient layer.

Shower trays, bath surrounds and sanitary ware

Shower trays, bath surrounds and sanitary ware built off the structural floor should be isolated from the floor treatment and any floor finishes with YELOfon ES or FS edge strip.