

Robust detail Product Performance Requirements

Generic Robust details - Separating Floors

A generic Robust detail treatment is one that has been tested in a UKAS accredited laboratory to prescribed standards and achieves the minimum acoustic performance detailed in the Robust details handbook.

Steel/concrete composite and concrete floors

E-FS-1, E-FC-1, 2 & 8: Experience has shown that the mass of the floor and the ceiling treatment will exceed the required R_d airborne acoustic values, thus eliminating the need for additional testing. However each floating floor treatment's (FFT) impact sound performance needs to be assessed and must achieve a minimum impact improvement of $rd L_w$ 17dB.

Steel, timber & metal joists floors

E-FS-2, E-FT-1, E-FT-2 & E-FT-3: The FFT must achieve minimum airborne and impact improvement values:

Airborne: $rd R_w + C_{tr} = 13$ dB

Impact: $rd L_w$ 15dB.

CELLECTA generic Robust details - Separating Floors

All CELLECTA floating floor treatments (FFTs) exceed the minimum laboratory performance values required by Robust details Limited, and the data published in the manual has been independently verified by the British Board of Agrément (BBA).



Proprietary Robust details - Separating Floors

A proprietary Robust detail is one that is only available from a specific manufacturer. The product or system used in the specific construction have undergone a rigorous on-site testing regime to confirm their robustness and acoustic efficiency.

Should a proprietary Robust detail be adopted no alternative products may be used.

CELLECTA Proprietary Robust details - Separating Floors

Cellecta offers three proprietary treatments, one for concrete floors and two for timber floors with timber wall:

E-FC-5 (Pre-cast concrete floor with floating screed):

YELOfon HD10+ System

System components: **YELOfon HD10+** (resilient layer with *Surebond* facing), **E-strip** (self-adhesive, perimeter edge strip with *Surebond* facing) & **J-strip** (acoustic joining tape). See page 20 for full details.

E-FT-5: (Composite floating treatment on timber I-joists with timber walls): **ScreedBoard 28**

System components: **ScreedBoard 28** (composite acoustic treatment) or when incorporating an underfloor heating system - **ScreedBoard 20** + insulation board + **FIBREfon 8**. See page 36 and 37 for full details.

E-FT-6: (Composite floating treatment on metal web floors with timber walls): **ScreedBoard 28**

System components: **ScreedBoard 28** (composite acoustic treatment) or when incorporating an underfloor heating system - **ScreedBoard 20** + insulation board + **FIBREfon 8**. See page 38 and 39 for full details.

Robust detail Registration Procedure - Floors

Step 1: Using the Robust details handbook, select a structural floor/wall combination

Step 2: Choose a CELLECTA acoustic treatment and resilient flanking strip

Step 3: Select a ceiling treatment

Step 4: Register the chosen construction* with Robust details Limited

*If adopting **E-FC-5, E-FT-5 & 6** receive FREE on-site training from CELLECTA

Step 5: Install each layer in accordance with manufacturers' instructions and Rd checklist

Robust details - Separating Walls

A multitude of both generic and proprietary Robust detail separating wall constructions are available. Full details of compatible separating wall and floor combinations can be found in the Robust details handbook. CELLECTA pre-completion wall treatments can be found on page 52.

Part E satisfied ✓