

What are the requirements for a product to be Robust Detail compliant?

Robust Details testing requirements for floating floor treatments.

Generic floating floor treatments (FFT's) that are designed to conform with the Robust Details must be tested in a UKAS acoustic laboratory to prescribed standards.

E-FC-1, E-FC-2, E-FC-7 and E-FS-1: Experience has shown that the mass of the floor and the ceiling treatment will exceed the required RD airborne acoustic values, thus eliminating the need for additional testing. However each FFT's impact sound performance needs to be assessed and must achieve a minimum impact improvement of $rd L_w$ 17dB.

E-FT-1 and E-FT-2: The floating floor treatment must achieve minimum airborne and impact improvement values.

Airborne: $Rw + C_{tr} = 13$ dB

Impact: $L_w = 15$ dB

E-FC-3: Resilient layers only need meet prescribed product specifications to comply with this Robust Detail.

E-FC-5: YELOfon HD10+system has undergone rigorous testing in the field and has been awarded proprietary status. The system consists of three components which must all be installed to comply with the Robust Detail and is exclusively available from Collecta.

Note. The higher the value the more acoustically efficient the floor treatment.

Collecta products test results.

Where required, Collecta's Robust Detail compliant products have been tested at Sound Research Laboratories, Sudbury, UKAS ref. 0444, in accordance with BS EN ISO 140-6: 1998, with FFT1 for E-FT-1 also tested in accordance with BS EN ISO 140-3: 1995 and rated in accordance with BS EN ISO 717-2: 1997. Measurements were taken in a laboratory with suppressed flanking transmission in accordance with BS EN ISO 140-1: 1997 and BS EN ISO 140-2: 1991.

All Collecta's FFT's exceed the minimum laboratory performance values required by Robust Details Limited.

The single figure values for RD acoustic performance given in this document derive from measurements conducted by SRL Ltd.

Construction notes.

Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Structural floors must meet requirements of the specific Robust Detail. For FFT1 or FFT3, battens should be set at 400mm (max) centres for 18mm chipboard and 600mm (max) centres for 22mm chipboard. For further details, refer to the Robust Details handbook and Part E "Resistance to the passage of sound" documentation.