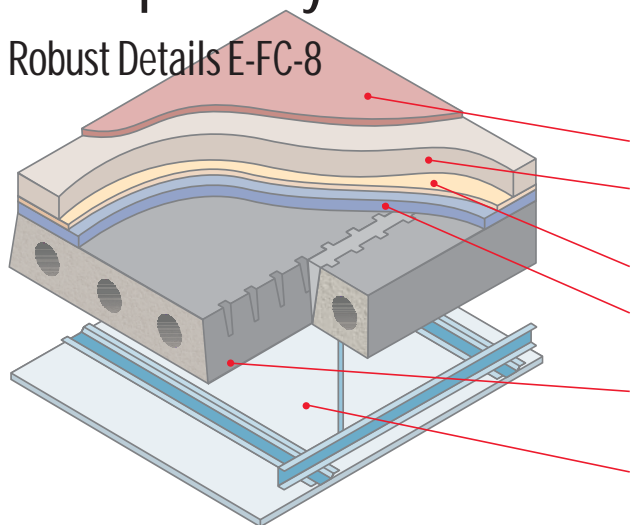


Stowell solutions for separating floors to help satisfy Robust Details part E

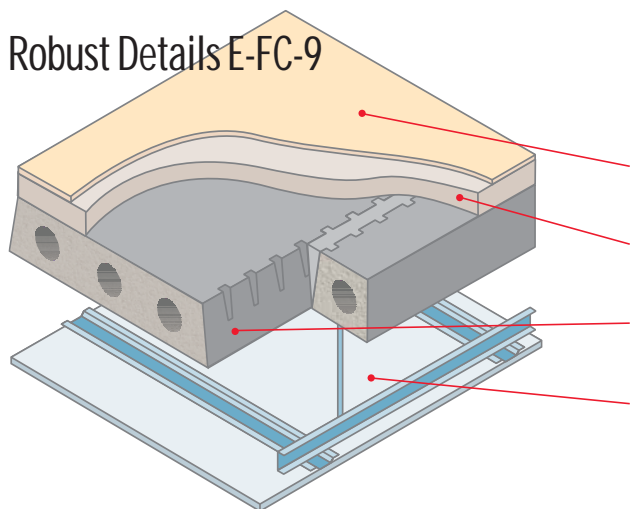
Robust Details E-FC-8



- precast concrete plank
 - screed laid on isolating layers
 - bonded resilient floor cover
- | | |
|-------------------|--|
| Floor covering | 4.5mm (min) bonded resilient covering |
| Screed | 65mm (min) sand/cement screed, or 40mm (min) proprietary screed, nominal 80kg/m ² (min) mass per unit area |
| Isolating layer 1 | 5mm formed polythene layer 30-36kg/m ³ |
| Isolating layer 2 | 25mm mineral wool batt 140kg/m ² (min), 25mm EPS (flooring grade SD) or extruded polystyrene insulation |
| Structural floor | 150mm (min) precast structural plank 300kg/m ² (min) mass per unit area (Stowell Hollowcore HC 300 – 155mm deep, 320kg/m ²) |
| Ceiling | CTO metal ceiling system providing 150mm (min) ceiling void with one layer of nominal 8kg/m ² gypsum-based board. |

Diagram shows CTO type ceiling treatment.

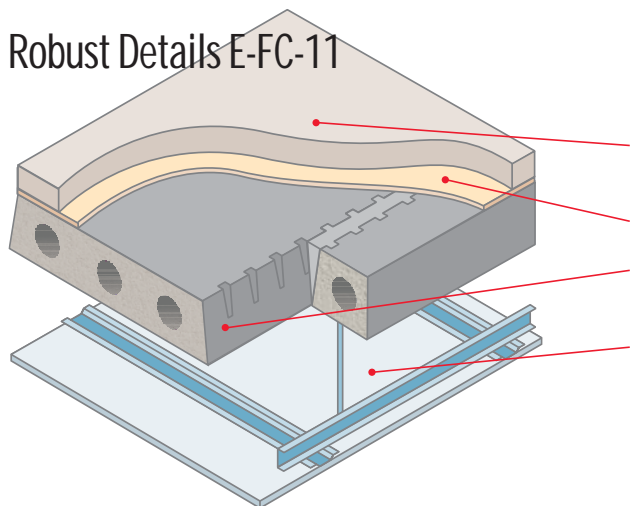
Robust Details E-FC-9



- precast concrete plank
 - screed
 - 3mm Thermal Economics IsoRubber top
- | | |
|------------------|--|
| Floor covering | 3mm Thermal Economics IsoRubber top (bonded with isobond adhesive) |
| Screed | 65mm (min) sand/cement screed, or 40mm (min) proprietary screed, nominal 80kg/m ² (min) mass per unit area |
| Structural floor | 150mm (min) precast structural plank 300kg/m ² (min) mass per unit area (Stowell Hollowcore HC 300 – 155mm deep, 320kg/m ²) |
| Ceiling | CTO metal ceiling system providing 150mm (min) ceiling void with one layer of nominal 8kg/m ² gypsum-based board. |

Diagram shows CTO type ceiling treatment.

Robust Details E-FC-11



- precast concrete plank
 - screed laid on Tranquilt[®] resilient layer
- | | |
|------------------|--|
| Screed | 65mm (min) sand/cement screed, or 40mm (min) proprietary screed, nominal 80kg/m ² (min) mass per unit area |
| Resilient layer | 10mm Icopal-Monarfloor Tranquilt [®] |
| Structural floor | 150mm (min) precast structural plank 300kg/m ² (min) mass per unit area (Stowell hollowcore HC 300 – 155mm deep, 320kg/m ²) |
| Ceiling | CTO metal ceiling system providing 150mm (min) ceiling void with one layer of nominal 8kg/m ² gypsum-based board. |

Diagram shows CTO type ceiling treatment.

Robust Details are construction solutions which provide an alternative to pre-completion sound testing as a method of complying with Part E (resistance to the passage of sound) of the Building Regulations (England and Wales). Stowell concrete products enable builders to meet these regulations – provided the correct treatments are followed – when constructing new-build attached dwellings, flats and apartments. A synopsis of the construction treatments is provided above, with full details available from Robust Details Ltd (telephone 0870 240 8209 or www.robustdetails.com).

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