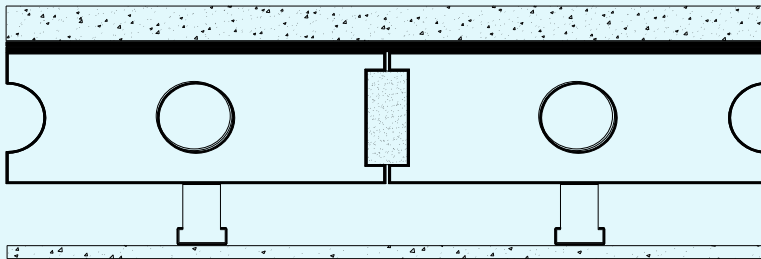




Acoustic Test Data Sheet 16

SEPARATING FLOOR



40mm Gyvlon levelling screed
One layer Polyfoam Floorfoam 10

150mm precast concrete floor slab (300kg/m²)

Metal frame ceiling with 150mm void and one layer of plasterboard of mass 8kg/m².

SITE

TEST ORGANISATION

REPORT / TEST No. / TEST DATE

TEST METHOD

RESULTS

Laboratory

Sound Research Laboratories Ltd

C/06/5L/3576/1 19th September 2006

BS EN ISO 140-3 : 1995 – TP15 and BS EN ISO 140-6 : 1998-TP12

R_w (C ; C_{tr}) 57 (-1 ; -6) dB

L_{n,w} 57 dB

FLOOR CONSTRUCTION

- 150mm precast concrete floor slabs (300kg/m²) built into cavity block walls on four sides.
- Joints between planks sealed with sand cement grout mix.
- One layer of Polyfoam Floorfoam 10 butt jointed and taped.
- 40mm Gyvlon levelling screed applied direct to Polyfoam Floorfoam 10 with a perimeter strip of Polyfoam Floorfoam Easy Edge Strip. Joints taped.
- A ceiling comprising 8 kg/m² plasterboard fixed to a metal frame system with a 150mm ceiling void.

BUILDING CONSTRUCTION DETAILS

Sound Research Laboratories Ltd. flanking transmission test laboratory at Holbrook House, Little Waldingfield, Sudbury, Suffolk. A two-storey purpose built test unit comprising cavity dense concrete block walls, a precast concrete first floor and a flat timber joist roof. Single rooms at ground and first floor level each approximately 25m³ with a separating floor area of 10m². Two leaves of 100mm dense concrete blocks with a 50mm cavity with wall ties at 600mm centres horizontally and 450mm vertically. 50mm Rockwool cavity closer (45kg/m³) running horizontally at the separating floor junction. Internal faces of block work finished with 12.5mm standard grade (Type 1) plasterboard fixed on plaster dabs.