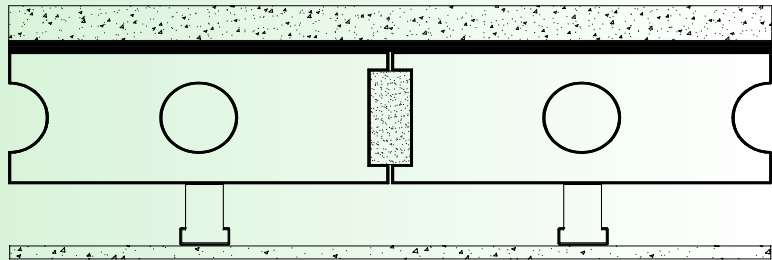




SEPARATING FLOOR



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

Laboratory

TEST ORGANISATION

Sound Research Laboratories Ltd

REPORT / TEST No. / TEST DATE

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

TEST METHOD

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

RESULTS

R_w (C ; Ctr) 57 (-1 ; -6) dB

Ln,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.

LAFARGE GYVLON FLOWING SCREED
ACOUSTIC TEST DATA SHEET - 16

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