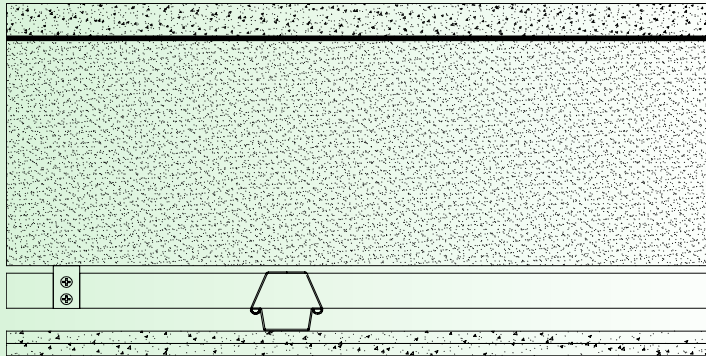




SEPARATING FLOOR



40mm Gyvlon levelling screed laid over 5mm Ethafoam

275mm insitu concrete slab

Two layers of 15mm plasterboard on an MF ceiling grid with a 75mm cavity

LAFARGE GYVLON FLOWING SCREED
ACOUSTIC TEST DATA SHEET - 23

SITE
TEST ORGANISATION
REPORT / TEST No. / TEST DATE
TEST METHOD
RESULTS

Devonshire Baths, Carlisle Road, Grand Parade, Eastbourne,
Philip Acoustics Limited
05054-005 / A3 & I1 / 23rd February 2005
BS EN ISO 140-4 and 7: 1998
DnT,w (C ; Ctr) - 67 (-4 ; -10) Db
DnT,w + Ctr - 57 dB
L'nT,w (CI) - 51 (-1) dB

FLOOR CONSTRUCTION

- 40mm Gyvlon levelling screed applied over one layer of 5mm Ethafoam.
- 275mm in situ concrete slab.
- MF ceiling grid with a nominal 75mm cavity.
- Two layers of 15mm plasterboard.

The results show that this floor system, as tested in conjunction with the associated constructions detailed below, is able to achieve the sound insulation performance required in the Building Regulations 2000, Approved Document E, 2003 Edition.

If this floor system were to be used on another site with an equivalent construction and same build quality, similar results would be expected.

BUILDING CONSTRUCTION DETAILS

General

Flats formed by material change of use comprising steel framed external walls and separating walls and insitu concrete separating floors.

External walls

150mm load bearing steel frame lined externally with 10mm Pyrok board. External finish comprising a render coat applied to 90mm polystyrene fixed through 40mm spacers to the Pyroc board

Inner lining consisting of two layers of 15mm plasterboard.

Separating walls

Two 48mm steel frames set 144mm apart with 100mm mineral wool insulation in the cavity.

Outer faces of each frame lined with two layers of 15mm plasterboard.

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