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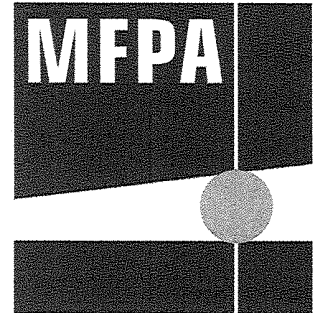
Anerkannte Prüfstelle für Baustoffe, Bauteile und Bauarten

PÜZ-Stelle nach Landesbauordnung (SAC 02), Bauproduktengesetz (NB 0800)



DAP-PL-4077.00

Durch die DAP GmbH nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium. Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.



Department IV - Building physics
Department Manager: Prof. Dr.-Ing. Peter Bauer

Sound insulation work group
VMPA – sound test site acc. to DIN 4109

Test report

P 4.2/08-157-1

Dated 12.08.2008

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Subject matter: Laboratory measurement of sound insulation in accordance with DIN EN ISO 140-3 of a wall with gypsum blocks "Multigips R.max" and sound-uncoupled stripes "Multigips AkustikBit 1000, 3 mm"

Client: VG-ORTH GmbH & Co. KG
Holeburgweg 24
37627 Stadtoldendorf

Order of date: 20.03.2008

Sample receipt: 23.04.2008

Test of date: 30.04.2008

Responsible for preparation: Dr.-Ing. H.-J. Teichert
Dipl.-Ing.(FH) S. Böhmer

This test report covers 6 sheets and 3 Annexes.

The test report shall be published in unabridged form only. Publication – also of excerpts – shall be subject to the prior written approval by MFPA Leipzig GmbH. The form can be used separately from the test report. The written form with original stamp and original signature of the person authorized to sign shall be the legally binding form.

Gesellschaft für Materialforschung und Prüfungsanstalt
für das Bauwesen Leipzig mbH
Geschäftsführer: Jun.-Prof. Dr.-Ing. Frank Dehn
Sitz: Hans-Weigel-Straße 2b · D - 04319 Leipzig
Telefon: +49 (0) 341/65 82-163
Fax: +49 (0) 341/65 82- 199
E-Mail: boehmer@mfpaleipzig.de

Handelsregister:
Ust.-Nr.:
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Amtsgericht Leipzig HRB 177 19
DE 813200649
Sparkasse Leipzig
Kto.-Nr 1100 560 781
BLZ 860 555 92

1 Task specification

Laboratory measurement of sound insulation for a wall composed of gypsum blocks shall be measured in accordance with DIN EN ISO 140-8 by order of the manufacturer

VG-ORTH GmbH & Co. KG
Holeburgweg 24
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in testing rooms of the MFPA Leipzig GmbH with no flanking transmission.

2 Test object and test specimen

The materials;

- MultiGips gypsum blocks "R.max", high gross density (120kg/m^2) according to DIN EN 12859, height 500 x breadth 500 x thickness 100 mm
- MultiGips „FG 70“
- MultiGips adhesive „SuperWeiss 120“
- MultiGips smoothing cement „CasoFill Uni“
- MultiGips sound-uncoupled stripes „AkustikBit 1000, 3 mm“

were delivered on 23.04.2008. The wall was installed in the test aperture of the MFPA Leipzig by applicant from 29.04. to 30.04.2008 and tested on 30.04.2008.

The test specimen is a single-leaf wall composed of gypsum blocks "R.max" (120kg/m^2), constructed in bond. The blocks have groove and tongue and were stuck together with adhesive „SuperWeiss 120“. The top row was chamfered, to assure the complete filling of the top groove with "FG 70". The thickness of the groove was from 1.5 to 3 cm. Finally the surface was smoothing with „CasoFill Uni“ on both sides.

The connections to the frame of the test aperture are constructed elastically by appr. 3 mm thick edge stripes. The edge stripes were fixed with onesided foil-clad adhesiv layer directly on the frame of the test aperture. After smoothing the surface the interior plaster separated from partition wall using trowel out.

The measurement was carried out one day after mounting the wall.