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Mfpa Leipzig GmbH

Testing, Inspection and Certification Authority for
Construction Products and Construction Types

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- English Version -

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Subject matter: Measurement of the airborne sound insulation acc. to
DIN EN ISO 10140-2 of a single-layer solid wall of 80 mm *MultiGips
gypsum blocks D80 Rmax, with edge connection stripes MultiGips
AkustikBit 1000*

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

Date of testing: 16-06-2016

Person in charge: Dipl.-Ing. M. Busch
Dipl.-Phys. D. Sprinz

This test report consists of 7 pages and 4 enclosures.

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Notified testing laboratories, inspection bodies and certification bodies recognized according to the Construction Products Regulation (NB 800) and the State Building Code (SAC 02).

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1. Definition of the task

For a single-layer solid wall of 80 mm *MultiGips gypsum blocks D80 Rmax*, with edge connection stripes *MultiGips AkustikBit 1000* by the client

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the airborne sound insulation according to DIN EN ISO 10140-2 is to be measured in the wall test bench of MFPA Leipzig GmbH and assessed according to DIN EN ISO 717-1.

2. Test objects and test setup

The materials

- *MultiGips gypsum blocks D80 Rmax*
- *MultiGips filler - MultiGips Füllgips Spezial FG 700*
- *MultiGips adhesive - MultiGips Kleber SuperWeiss 120*
- *MultiGips finisher for filling/smoothing - MultiGips Flächenspachtel SG 90 Uni*
- *MultiGips edge connection stripe - MultiGips AkustikBit 1000*

were delivered at 02-06-2016. The wall was installed in the wall test bench of MFPA Leipzig on 13-06-2016 by the client's specialists. The test date is displayed on the cover page of this test report.

Erection of the test object:

The test object consists of a layer of the aforementioned gypsum blocks - built with a masonry bond. The boards have tongues and grooves and were glued together with the joint mortar *MultiGips Kleber SuperWeiss 120* in the butt and layer joints. The upper row was slightly bevelled for complete filling of the ceiling connection joint with *MultiGips filler Spezial FG 700*. The upper joint was 1.5 - 3 cm thick. The surfaces of the wall were covered with a thin skim coating *SG 90 Uni*.