



# MFPA Leipzig GmbH

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

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**Work Group 4.2 - Sound Protection**

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Recognized Testing Laboratory by the VMPA

Acoustic Testing VMPA-SPG-129-97-SN

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## Test Report No . PB 4.2/16-211-2

- English Version -

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### Subject matter:

Measurement of the airborne sound insulation acc. to  
DIN EN ISO 10140-2 of a single-leafed solid wall of *MultiGips*  
*gypsum blocks, medium gross density, approx. 1,00 kg/dm<sup>3</sup>; acc. to*  
*DIN EN 12859, Length 500 x Width 666 x Thickness 100 mm*

### Client:

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

### Date of testing:

09-06-2016

### Person in charge:

Dipl.-Ing. M. Busch  
Dipl.-Phys. D. Sprinz

This test report consists of 7 pages and 3 enclosures.

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EN ISO/IEC 17025.

Notified testing laboratories, inspection bodies and certification  
bodies recognized according to the Construction Products Reg-  
ulation (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 *MultiGips gypsum blocks, medium gross density, approx.*

*1,00 kg/dm<sup>3</sup>; acc. to DIN EN 12859, Length 500 x Width 666 x Thickness 100 mm* by the client

VG-ORTH GmbH & Co. KG

Holeburgweg 24

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Germany

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, medium gross density, approx. 1,00 kg/dm<sup>3</sup>; acc. to DIN EN 12859, Length 500 x Width 666 x Thickness 100 mm*
- *MultiGips filler - MultiGips Füllgips Spezial FG 700*
- *MultiGips adhesive - MultiGips Kleber SuperWeiss 120*
- *MultiGips finisher for filling/smoothing - MultiGips Flächenspachtel SG 90 Uni*

were delivered at 02-06-2016. The wall was installed in the wall test bench of MFPA Leipzig on 07-06-2016 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 then stopped with MultiGips finisher for filling/smoothing SG 90 Uni.