

Mfpa Leipzig GmbH

Leipzig Institute for Materials
Research and Testing

Testing, Inspection and
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Constructions Types

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Recognized Testing Laboratory by
the VMPA

Acoustic Testing VMPA-SPG-129-
97-SN

Notification Of Renewal of the Test Report PB 4.2/16-064-1

VB 2.3/22-118-4

24 May 2022

No. Copy 1

Subject: Airborne sound insulation according to DIN EN ISO 10140-2 and determination of the single number value DL_R according to DIN EN 1793-2 of a noise barrier called *Lamelle Flexible*

Client: NATURinFORM GmbH
Flurstraße 7
D-96257 Redwitz an der Rodach

Date of order: 05-04-2022

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

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1. Task

For the client NATURinFORM GmbH, Flurstraße 7, D-96257 Redwitz an der Rodach the following documents are available for a noise barrier with designation *Lamelle Flexible*:

- /1/ Test Report No. PB 4.2/16-064-1, english Version, from 29-07-2016 of the MFPA Leipzig GmbH, Measurement of the airborne sound insulation in compliance with DIN EN ISO 10140-2 and determination of DL_R parameter acc. to DIN EN 1793-2 of a noise barrier named *Lamelle Flexible*
- /2/ Advisory Opinion No. GS 2.3/22-118-2 from 24-05-2022 of the MFPA Leipzig GmbH, Airborne sound insulation of a noise barrier made of tongue-and-groove elements called *Lamelle Flexible* with modified surface texture of visible sides

In accordance with /1/, the single-number value for the airborne sound insulation of noise barrier was determined according to DIN EN 1793-2 (issue 11-1997) to $DL_R = 26 \text{ dB}$. For a modification of noise barrier acc. to /2/, evaluation in /2/ results in a corresponding value $DL_R = 25 \text{ dB}$.

A notification of renewal shall be issued for the noise barrier referred to above.

2. Notification of Renewal

The client NATURinFORM GmbH confirms in his E-mail from 04.04.2022 that the tested noise barrier will be manufactured according to the construction description from /1/ with modified, i.e. smooth surface of the tongue-and-groove elements acc. to Advisory Opinion /2/. Thereby is acc. to /2/ to be expected a reduction of the airborne sound insulation by 1 dB to $DL_R = 25 \text{ dB}$ in the worst case.

In accordance with section 7.2, paragraph 2 of ZTV-Lsw 06, the validity of the test report /1/ for a single-number value for the airborne sound insulation

$DL_R = 25 \text{ dB}$


with reference to the standard DIN EN 1793-1 (version 11-1997) is extended to the date


24-05-2027.



This notice is valid only in connection with above mentioned documents and shall be used only together with the latter.

Leipzig, 24 May 2022


Dipl.-Phys. D. Sprinz
Head of Work Group


Dipl.-Ing. M. Busch
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