

Evidence of Performance

Joint sound reduction of seals

Test Report

N° 17-003502-PR01

(PB Z14-K06-04-en-01)



Client Athmer OHG
Sophienhammer
59757 Arnsberg
Germany

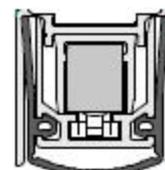
Product	Lowerable floor seal, single-side activation
Designation	Stadi L-20/20 WS
Cross section of sealing groove	20 mm x 20 mm
Air gap w	varying, 5 mm, 7 mm, 10 mm, 12 mm and 16 mm
Special features	none

Basis

EN ISO 10140-1 : 2016
EN ISO 10140-2: 2010
EN ISO 717-1: 2013

Test report 17-003502-PR01
(PB Z14-K06-04-de-01) dated
14.02.2018

Representation



Instructions for use

This procedure is suitable for the comparison of construction products designed for sealing (e.g. gaskets/seals, fillers for joints). The results can be used to evaluate the sound power ratio τ_e according to EN 12354-3 Annex B. Using the calculated sound reduction of the joint for the calculation of the overall sound reduction is not a substitute for the sound reduction verification of the overall construction. For Germany the following applies:
The weighted joint sound reduction index $R_{s,w}$ can be used for the prognosis of the sound insulation of doors according to DIN 4109-35:2016.

Validity

The data and results given relate solely to the tested and described specimen. Testing the sound insulation does not allow any statement to be made on any further characteristics of the present construction regarding performance and quality.

Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

The cover sheet can be used as abstract.

Contents

The test report contains a total of 11 pages.

- 1 Object
 - 2 Procedure
 - 3 Detailed results
 - 4 Instructions for use
- Data sheet (1 page)

Weighted sound reduction index of joints $R_{s,w,0}$
Spectrum adaptation terms C and C_{tr}



$$R_{S,w,0} (C; C_{tr}) = 52 (-2; -1) \text{dB}$$

Nominal weighted sound reduction index for floor seals
with air gap $w = 7$ mm

ift Rosenheim

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Dr. Joachim Hessinger, Dipl.-Phys.
Head of Testing Department
Building Acoustics

Florian Brechleiter, MSc, Dipl.-Ing. (FH)
Operating Testing Officer
Building Acoustics