

Evidence of performance

Joint sound reduction of seals

Test Report

N° 20-000916-PR01

(PB 3-K06-04-en-01)

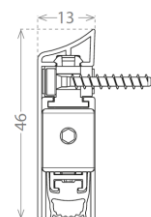


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Basis

EN ISO 10140-1 : 2016
EN ISO 10140-2: 2010
EN ISO 717-1: 2013
Based on legal binding Test
Report 20-000916-PR01 (PB 3-
K06-04-de-01) dated 29.09.2020

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 ISO 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)

Product	Lowerable floor seal, single-side activation
Designation	ACOUSTIC APPLIQUE 13x46
Cross section of sealing groove	Door leaf section without sealing groove
Air gap w	5 mm and 10 mm
Fixing method/fasteners	Floor seal in rebate on door leaf section surface-mounted, screwed
Special features	none

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

with air gap $w = 5$ mm



$$R_{S,w} (C; C_{tr}) = 47 (0; 0) \text{ dB}$$

with air gap $w = 10$ mm

$$R_{S,w} (C; C_{tr}) = 46 (-1; -1) \text{ dB}$$

ift Rosenheim

01.10.2020

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