

Evidence of Performance

Joint sound reduction of filling material

Test Report

no. 20-002317-PR01
(PB 01-K05-04-en-03)



Client **Soudal N.V.**
Everdongenlaan 18-20
2300 Turnhout
Belgium

Basis

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

Test report no. 20-002317-PR01 (PB 01-K05-04-de-03) dated 13/08/2020

Replaces Test report no. 20-002317-PR01 (PB 01-K05-04-en-02) dated 13/08/2020

Representation



Product	1-K polyurethane foam
Designation	Soudafoam FR HY
Density	21 g/l (10 mm width of joint), 24 g/l (20 mm width of joint), 20 g/l (30 mm width of joint)
Special features	-/-

Weighted joint sound reduction index $R_{S,w}$
Spectrum adaptation terms C and C_{tr}
width of joint 10 mm



$$[R_{S,w}(C; C_{tr}) \geq 60 \text{ (-1; -4) dB}]$$

width of joint 20 mm

$$[R_{S,w}(C; C_{tr}) \geq 60 \text{ (-1; -4) dB}]$$

width of joint 30 mm

$$R_{S,w}(C; C_{tr}) = 57 \text{ (-10; -6) dB}$$

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.

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 construction submitted 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 an abstract.

Contents

The test report contains a total of 11 pages:

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

ift Rosenheim
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