

Evidence of Performance

Joint sound reduction of filling material

Test report 17-000120-PR01
(PB 1-K05-04-en-01)



Client **HILTI AG**
Feldkircherstr. 100
9494 Schaan

Fürstentum Liechtenstein

Product	1-K Polyurethan foam
Designation	CF ISO 500+
Special features	-/-

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



10 mm: $R_{ST,w} (C; C_{tr}) = 61 (-1; -3) \text{ dB}$
30 mm: $R_{ST,w} (C; C_{tr}) = 59 (-6; -4) \text{ dB}$

Determined for 10 and 30 mm width of joint

ift Rosenheim

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Basis

ift Guideline SC-01 „Determination of sound reduction index of joints“ 2002.

Translation of test report 167 41634/1 dated 12 of October 2009 (transfer of test results from test report No. 167 30101/1R1 to new client and his product designation. Manufacturer is documented in ift with no. 7031589).

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.

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 9 pages:

- 1 Object
 - 2 Procedure
 - 3 Detailed results
- Data sheet (2 pages)