

# Evidence of Performance

## Joint sound reduction of filling material

### Test Report

(No. 18-000823-PR01

(PB Z01-K05-04-en-01)



Client **Hilti Entwicklungsgesellschaft  
mbH**  
Hiltistr. 6  
86916 Kaufering  
Germany

#### Basis

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

ASTM E 90-09  
ASTM E 413-10  
ASTM E 1332-10a

Test report no. 18-000823-  
PR01 (PB Z01-K05-04-de-01)

#### Representation



Product	1K PU-Foam
Designation	CF I 500
Density	14.7 g/l
Special features	-/-

#### 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  $\tau_e$  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 11 pages:

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

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



$$[R_{s,w} (C; C_{tr}) \geq 62 (-1;-5) \text{ dB}]$$

Determined for 20 mm width of joint

ift Rosenheim  
22.05.2018

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

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