

Evidence of Performance

Airborne sound insulation of fire rated products

Test report 17-001738-PR01
(PB 02-E03-04-en-03)



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

Replaces test report 17-001738-PR01 (PB 02-E03-04-de-03) dated 27.07.2017

Product	Sealing tape for wall connecting joint dry wall construction - floor
Designation	Hilti sealing tape CFS-TTS ES
Material mass of sealing	Sealing tape made of circumferential laminated PU-foam, $m' = 237 \text{ g/m}$
Basis element	Insert unit consisting of double metal stud wall-stub (double clad) with connection to floor level
Overall dimension (w×h)	1,230 mm × 250 mm, length wall connection = 1,230 mm

Instructions for use

This test report serves to demonstrate the sound insulation of a fire protection product.

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.

Weighted normalized sound level difference of small building elements
 $D_{n,e,w}$
Spectrum adaptation terms C and C_{tr}
Weighted sound reduction index of joints $R_{s,w}$
Spectrum adaptation terms C and C_{tr}

Test variant 1 (conventional design as flexible connection):

$$R_{S,w} (C; C_{tr}) = 42 (-1; 0) \text{ dB}$$

$$D_{n,e,w} (C; C_{tr}) = 51 (0; 0) \text{ dB}$$



Test variant 2 (flexible connection with Hilti sealing tape CFS-TTS ES):

$$R_{S,w} (C; C_{tr}) = 63 (-1; -4) \text{ dB}$$

$$D_{n,e,w} (C; C_{tr}) = 72 (-1; -4) \text{ dB}$$

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.

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

Bernd Saß, Dipl.-Ing. (FH)
Deputy Head of Testing Department
Building Acoustics

Contents

The test report contains a total of 17 pages:

- 1 Object
- 2 Procedure
- 3 Detailed results
- 4 Instructions for use

Data sheet (4 pages)