

# Evidence of Performance

## Airborne sound insulation of fire rated products

Test Report 14-004052-PR01  
(PB 01-E03-04-en-02)



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

Product Self - adhesive cable seal against opening

Designation Hilti Firestop Disc CFS-D 1"/25

Material one-sided film laminated adhesive pad, sealant based on Butyl,  $\varnothing \approx 60$  mm; d  $\approx 4$  mm; m = 14,6 g

Size of opening 25 mm x 25 mm

Metal stud partition

Basic element Double stud framing, double clad

Weighted normalized sound level difference of small building elements  $D_{n,e,w}$

Spectrum adaption terms C and  $C_{tr}$

Weighted sound reduction index  $R_w$  of element with penetration

Spectrum adaption terms C and  $C_{tr}$

Sound Transmission Class STC of element with penetration

Opening sealed on both sides with

Hilti Firestop Disc CFS-D 1"/25

$D_{n,e,w} (C; C_{tr}) = 70 (-2; -7)$  dB

Element with penetration sealed on both sides with

Hilti Firestop Disc CFS-D 1"/25

$R_w (C; C_{tr}) = 62 (-2; -7)$  dB

STC 62



Opening with cable, sealed on both sides with Hilti

Firestop Disc CFS-D 1"/25

$D_{n,e,w} (C; C_{tr}) = 71 (-3; -8)$  dB

Element with penetration (incl. cable) sealed on both sides with Hilti Firestop Disc CFS-D 1"/25

$R_w (C; C_{tr}) = 62 (-2; -7)$  dB

STC 62

### Basis

EN ISO 10140-1 : 2010

+ A1:2012 + A2:2014

EN ISO 10140-2 : 2010

EN ISO 717-1 : 2013

Additional

ASTM E 90-09

ASTM E 413-10-

14-004052-PR01 (PB 01-E03-04-de-02) dated 24.03.2015

### Instructions for use

This test report serves to verify the sound insulation of fire rated products.

### 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 16 pages:

- 1 Object
  - 2 Procedure
  - 3 Detailed results
  - 4 Instructions for use
- Data sheets (5 pages)

ift Rosenheim  
24.03.2015

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

Stefan Bacher, Dipl.-Ing. (FH)  
Operating Testing Officer  
Building Acoustics