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 cabil seal against opening

Designation
Hilti Firestop Disc CFS-D 1"/25

Material
One-sided film laminated adhesive pad, sealant based on Butyl, \( \varnothing = 60 \) mm; \( d = 4 \) mm; \( m = 14.6 \) g

Sealing material

Size of opening
25 mm x 25 mm

Basic element
Metal stud partition
Double stud framing, double clad

Weighted normalized sound level difference of small building elements \( D_{n,e,w} \)
Spectrum adaption terms \( C \) and \( C_v \)
Weighted sound reduction index \( R_w \) of element with penetration
Spectrum adaption terms \( C \) and \( C_v \)
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} \left( C; C_v \right) = 70 \left( -2; -7 \right) \) dB

Element with penetration sealed on both sides with Hilti Firestop Disc CFS-D 1"/25
\[ R_w \left( C; C_v \right) = 62 \left( -2; -7 \right) \) dB
STC 62

Opening with cable, sealed on both sides with Hilti Firestop Disc CFS-D 1"/25
\[ D_{n,e,w} \left( C; C_v \right) = 71 \left( -3; -8 \right) \) dB

Element with penetration (incl. cable) sealed on both sides with Hilti Firestop Disc CFS-D 1"/25
\[ R_w \left( C; C_v \right) = 62 \left( -2; -7 \right) \) dB
STC 62

ift Rosenheim
24.03.2015

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Basis
EN ISO 10140-1 : 2010
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)