Evidence of Performance
Airborne sound insulation of fire rated products

Test Report 14-003090-PR01
(PB 01-E03-04-en-02)

Client
Hilti Entwicklungsgesellschaft mbH
Hiltistr. 6
86916 Kaufering
Germany

Pipe DN 60 resp. cable bunch with Hilti FS-ONE MAX in penetration

Product
Designation
Hilti FS-ONE MAX

Material
Single component, water based fire rated-sealant

Sealing material
Diameter of opening
100 mm (1 and/or, 2 pcs.)

Metal stud partition

Basic element
Double stud framing, double clad

Weighted normalized sound level difference of small building elements $D_{n,c,w}$
Spectrum adaption terms $C$ and $C_r$

Pipe DN 60 with Hilti FS-ONE MAX
$D_{n,c,w} (C; C_r) = 71 \text{ (} -4; -9 \text{) dB}$

Pipe DN 60 + cable bunch with Hilti FS-ONE MAX
$D_{n,c,w} (C; C_r) = 70 \text{ (} -3; -8 \text{) dB}$

ift Rosenheim
11.12.2014

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Basis
EN ISO 10140-1: 2010
+A1:2012
EN ISO 10140-2: 2010
EN ISO 717-1: 2013
Additional
ASTM E 90-09
ASTM E 413-10
Test report no. 14-003090-PR01 (PB 01-E03-04-de-02)
dated 05.12.2014

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