

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

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

Product	Pipe DN 60 resp. cable bunch with Hilti FS-ONE MAX in penetration
Designation	Hilti FS-ONE MAX
Material Sealing material	Single component, water based fire rated-sealant
Diameter of opening	100 mm (1 and/or. 2 pcs.)
Basic element	Metal stud partition Double stud framing, double clad

Instructions for use

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

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

Pipe DN 60 with Hilti FS-ONE MAX

$$D_{n,e,w} (C; C_{tr}) = 71 (-4; -9) \text{ dB}$$



Pipe DN 60 + cable bunch with Hilti FS-ONE MAX

$$D_{n,e,w} (C; C_{tr}) = 70 (-3; -8) \text{ dB}$$

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.

ift Rosenheim
11.12.2014

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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)