Evidence of Performance
Airborne sound insulation of a cable penetration

Test report 164 44278e

This is a translation of the test report 164 44278/ dated 10. December 2010

Client
Hilti Entwicklungsgesellschaft mbH
Hiltistrasse 6
86916 Kaufering
Germany

Product: cable penetration assembly 2" and 4" in wall opening
Designation: Hilti Firestop sleeve CP 653 CFS-SL-S
Construction: Profiled metal tube with internal membrane
External dimensions: 2" and 4" diameter
Wall construction: Double metal stud partition wall with two layers plasterboard

Informations for use
This test report may be used to validate the sound insulation of a fire safety board on basis of ETAG 026, Part 2, clause 2.4.5.

Validity
The data and results given relate solely to the described, tested object. Testing the acoustic properties does not allow any statement to be made on further characteristics of the present structure which could influence performance and quality.

Weighted normalized level difference of small building elements \( D_{n,e,w} \)
Spectrum adaptation terms \( C \) and \( C_r \)

Cable penetration assembly 2"
\[
D_{n,e,w} \left( C; C_r \right) = 53 \, (-2; -3) \, dB
\]

Cable penetration assembly 4"
\[
D_{n,e,w} \left( C; C_r \right) = 47 \, (-3; -5) \, dB
\]

The lowest measured value is stated

ift Rosenheim
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