Nachweis
Airborne sound insulation of fire protection products

Prüfbericht 17-001738-PR05
(PB 01-E03-04-de-02)

Client
Hilti Entwicklungsgesellschaft mbH
Hiltistr. 6
86916 Kaufering
Deutschland

Product
Sealing variants for wall connecting joint drywall-ceiling as sliding ceiling abutment

Designation
Hilti sealing tape CFS-TTS MD

Material
Mastic and sealing compound
Sealing tape made of continuous foil-laminated PU foam

Basic element
Insert unit consisting of steel double studs cassette (clad on two sides) with connection to ceiling level

Dimensions (WxH)
1,230 mm × 250 mm, length wall connection = 1,230 mm

Special features
Variant 6, measurement no. Z22: Sliding ceiling abutment, sealed on both sides with Hilti CFS-TTS MD material Track “slottet”, joint width 25 mm

Weighted normalized sound level difference of small building components $D_{n,e,w}$
Weighted sound reduction index $R_w$
Weighted sound reduction index of joints $R_{S,w}$
Spectrum adaptation terms $C$ and $C_{tr}$
Sound transmission class STC
$R_w$ and STC is related to surface area $S = 0.31$ m²

$$D_{n,e,w} \left( C; C_{tr} \right) = 72 (-3;-10) \text{ dB}$$

$$R_w \left( C; C_{tr} \right) = 57 (-3;-10) \text{ dB}$$

$$\left[ R_{S,w} \left( C; C_{tr} \right) \geq 63 (-3;-10) \text{ dB} \right]$$

$$\text{STC} = 59$$

ift Rosenheim
25.10.2019

Bernd Saß, Dipl.-Ing. (FH)
Stv. Prüfstellenleiter
Bauakustik

Andreas Preuss, Dipl.-Ing. (FH)
Laborstandort-Leitung
Bauakustik

Basis
EN ISO 10140-1: 2016
EN ISO 10140-2: 2010
EN ISO 717-1: 2013
ASTM E 90-0
ASTM E 413-10
Extract of test report no. 17-001738-PR04 (PB 1-E03-04-en-01) dated 22/08/2019

Replaces Test Report No. 17-001738-PR05 (PB 1-E03-04-en-01) dated 21/10/2019

Representation

Instructions for use
This test report serves to document the sound insulation of fire protection 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.

Contents
The cover sheet contains a total of 1 page