



Hilti Aktiengesellschaft, FL-9494 Schaan, Fürstentum Liechtenstein

Unser Zeichen
Our ref.

NArg

Abteilung
Department

Business Unit Installation Systems - Codes and Approvals

14.05.2019

Sound insulation Hilti Fixed Points

To whom it may concern,

Hilti fixed points components have been tested for sound insulation by Müller-BBM in Munich and Institut für Bauphysik in Mühlheim/Ruhr, third party laboratories. Following table is showing the fixed point items, the related components for which tests have been performed based on DIN EN ISO 10846-4 or ISO 3822-1 and the test results. The results are covered by third party reports Nr. M142037/02 and Nr. 10137/C/P/95.

Product category	Item No.	Designation	Damping effect [dB]	Sound reduction elements used
Compact	2223017	MFP-CSL-I	10	Superlight
	2223018	MFP-CL-I	20	Light Compact
	2223014	MFP-CLD-I		
Light	2223125	MFP-L-I	10	Superlight Pipe Hinge
	2223127	MFP-L2-I		
	2223126	MFP-LD-I		
	2223128	MFP-LD2-I		
Universal Light	2223133	MFP-UL-I	10	Pipe Adapter Pipe Hinge
	2223135	MFP-UL2-I		
	2223134	MFP-ULD-I		
	2223136	MFP-ULD2-I		
	2223133	MFP-UL-I		
	2223135	MFP-UL2-I		
	2223134	MFP-ULD-I		
2223136	MFP-ULD2-I			
Universal Medium	2223133	MFP-UM-I		
	2223135	MFP-UM2-I		
	2223133	MFP-UM-I		
	2223135	MFP-UM2-I		

Sound reduction element	Single element damping effect [dB]
Superlight	10
Light Compact	20
Pipe Hinge	30
Pipe adapter	10

Tests are showing that an improvement of structure-borne sound insulation up to 20 dB for the fixed points is possible compared to the non-insulated fixed points. It has been proven that with correct use of the Hilti fixed points an improvement of structure-borne sound insulation as defined in DIN 4109, "Sound insulation in buildings" of November 1989 can be achieved.

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