

Annex TS – Impact Sound Insulation

1 Procedure

Sample designation Mezzo 240

TFI reference number 11-04-0042

Testing period..... 26.04.2011

The product identification characteristics can be found on the first page of the test report, respectively in annex KM.

2 Test method

Impact sound transmission according to EN ISO 10140:2010 (all parts) (formerly EN ISO 140-8:1998).

The standard describes a method to measure the impact sound insulation of building products in a test stand.

3 Remarks

Additionally, the calculated value according to EN ISO 717-2:1997 is indicated.

The test was carried out by a subcontractor.

Impact sound insulation according ISO 10140 (all parts)

Measurement of impact sound insulation by a floor covering
on a solid strings floor

Enclosure: TS

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Product name Mezzo 240

Construction: textile floor covering

Date of test: 2011-04-26

Classification: category I according to ISO 10140

installation: laid loose

setting time: - h

installed by: laboratory

Description of test material:

Total thickness: 7.6 mm

Mass / area: 4,85 kg/m²

Specifies during the test (imprint or damage at the sample)

Test room: 02 and K2, Hauptstrasse 133, 52477 Alsdorf, Germany

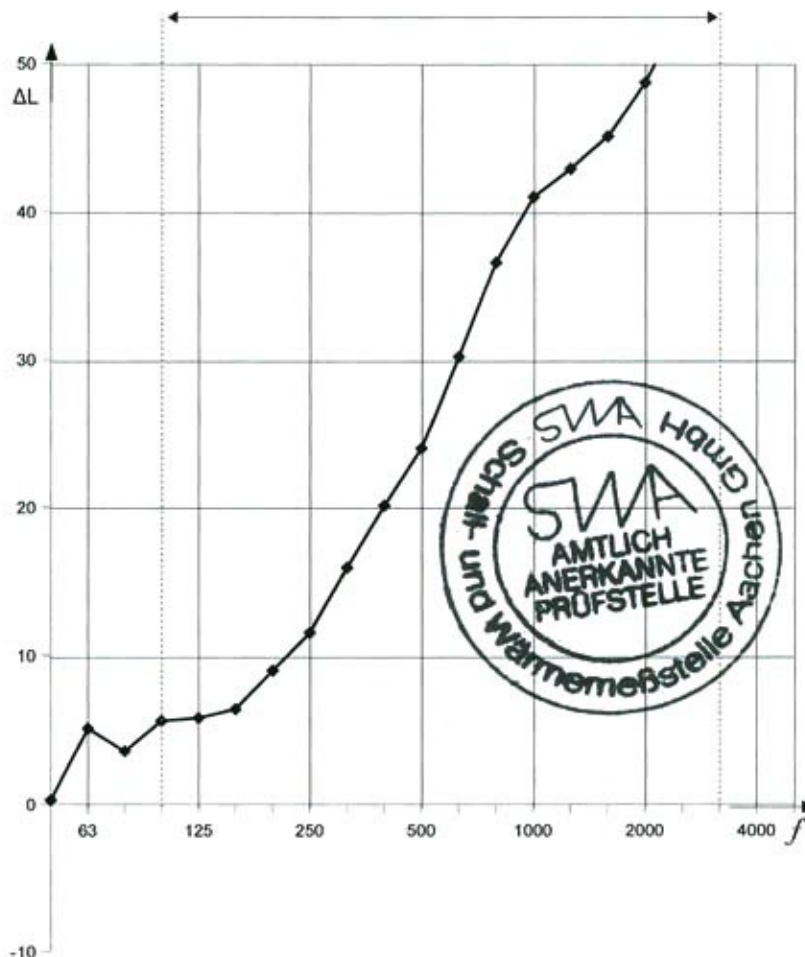
Temperature in the sending room: 20.0 °C

Humidity in the sending room: 56.0 %

Volume of the receiving room: 58.9 m³

frequency range for the evaluation according to ISO 717-2

Frequency f Hz	$L_{n,0}$ third-octave dB	ΔL third-octave dB
50		0.3
63		5.1
80		3.6
100	61.0	5.6
125	61.4	5.8
160	64.8	6.4
200	63.7	9.0
250	65.4	11.5
315	65.6	15.9
400	66.1	20.1
500	66.0	24.0
630	66.4	30.2
800	66.3	36.6
1 000	66.2	41.0
1 250	66.6	42.9
1 600	67.2	45.1
2 000	67.1	48.7
2 500	67.0	53.5
3 150	66.4	53.6
4 000		--
5 000		--



Calculation according to ISO 717-2

$\Delta L_w = 26$ dB

$C_{L,A} = -12$ dB

$C_{L,r} = 1$ dB

$C_{L,r,50-2500} = 5$ dB

The results base on tests, which were effected with on artificial source of sound under laboratory conditions. (standard method)

Report No.: 410 571

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Aachen, 2011-04-26

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