

**ISO 10140 – Acoustical insulation, calculation according to ISO 717-2**

Date of testing : 12<sup>th</sup> of September 2012

Test conditions: 20.0 ±2°C and 56.0 ±5% R.H.

Volume of the receiving room: 58.9 m<sup>3</sup>

Classification : Category I of ISO 10140.

Installation : Loose laid

Installed by : Laboratory

Calculation according to ISO 717-2

Impact sound improvement index  $\Delta L_w$  : 9 dB

$\Delta L_{hn}$  : 4 dB

*The results are based on the tests which were performed in laboratory conditions with an artificial source of sound, standard method.*

Sound insulation according ISO 10140, measurements and graph:

Frequency (Hz)	$\Delta L$ (dB)
50	1.6
63	1.6
80	-0.1
100	1.9
125	1.9
160	2.2
200	2.3
250	1.9
315	2.4
400	2.4
500	2.5
630	3.4
800	3.9
1000	4.3
1250	5.0
1600	6.4
2000	7.6
2500	10.9
3150	15.6
4000	23.8
5000	33.9

