

**Determination of sound insulation in a laboratory according to ISO 140-3**

Client: Nordan AS Date of test: 2010-11-09

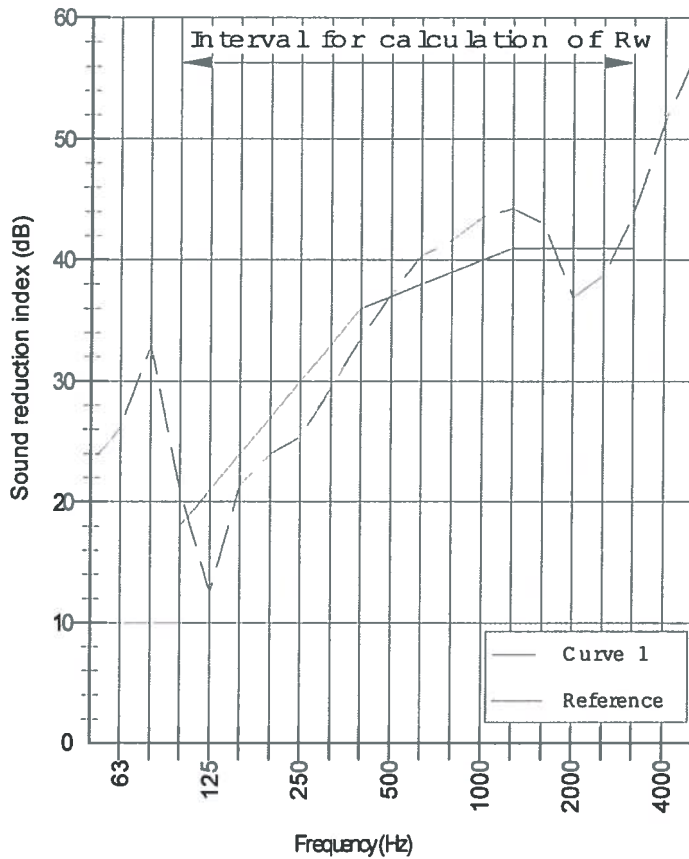
Test object: Fixed window (not openable), 1235 mm x 1485 mm

Glass unit: From the outside: 3/0,38/3 glass - 16 argon - 4 glass - 16 argon - 3/0,38/3 glass

Temperature and humidity: 20° C resp. 28% RH

Area of the test opening and module: 1,87 m<sup>2</sup>, concrete module

Result: Curve 1 – Test object  
Curve 2 - Reference Curve



Frequency (Hz)	Curve 1 (dB)
50	23,4
63	26,2
80	32,9
100	21
125	12,4
160	21,4
200	24
250	25,4
315	29,4
400	33,5
500	37,2
630	40,3
800	41,6
1000	43,6
1250	44,2
1600	43
2000	36,9
2500	38,7
3150	43,8
4000	51,3
5000	56,9

<b>R<sub>w</sub></b>	<b>37</b>
(C; Ctr)	(-3;-7)
50-3150	(-3;-8)
50-5000	(-2;-8)
R <sub>mean</sub>	33,5
Sum. Dev.	31,3
Max. Dev.	8,6
Frequency	125