

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

Client: Nordan AS Date of test: 2011-03-09

Test object: Standard inward going window

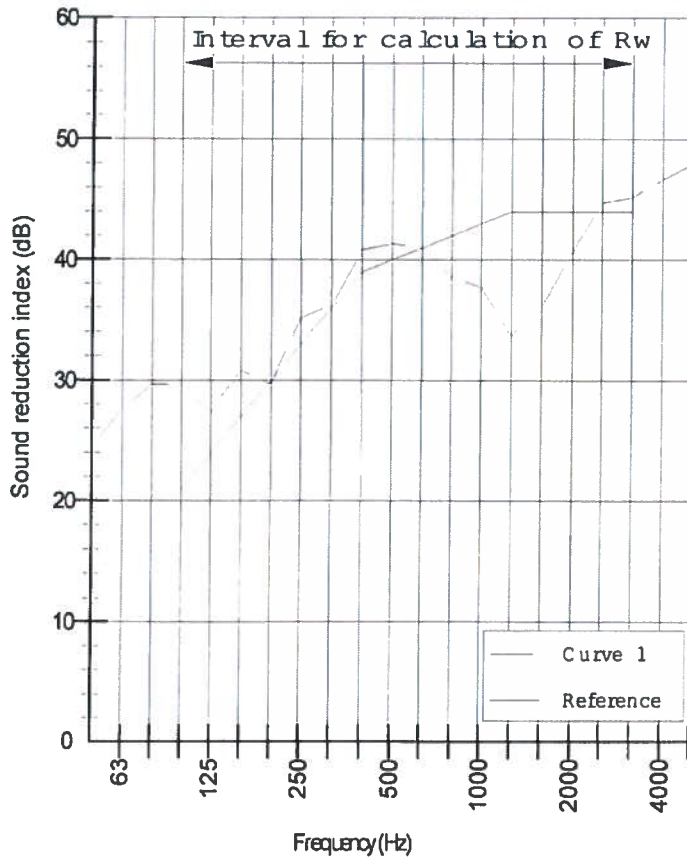
Glass unit: From the outside: 4/0,76/4 glass - 10 argon - 4 glass - 18 argon - 4/0,76/4 glass.

Sealing lists: One on all sides of the sash.

Temperature and humidity: 21° C resp. 20% RH

Area of the test opening and module: 1,87 m², concrete module

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



Frequency (Hz)	Curve 1 (dB)
50	24,6
63	27,6
80	29,6
100	29,7
125	27,3
160	30,8
200	29,7
250	35,1
315	36,2
400	40,8
500	41,3
630	41
800	38,6
1000	37,7
1250	33,7
1600	36,1
2000	40,7
2500	44,7
3150	45,2
4000	46,7
5000	47,9

R_w	40
(C; Ctr)	(-2;-4)
50-3150	(-2;-4)
50-5000	(-1;-4)
R_{mean}	36,8
Sum. Dev.	30,5
Max. Dev.	10,3
Frequency	1250