

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

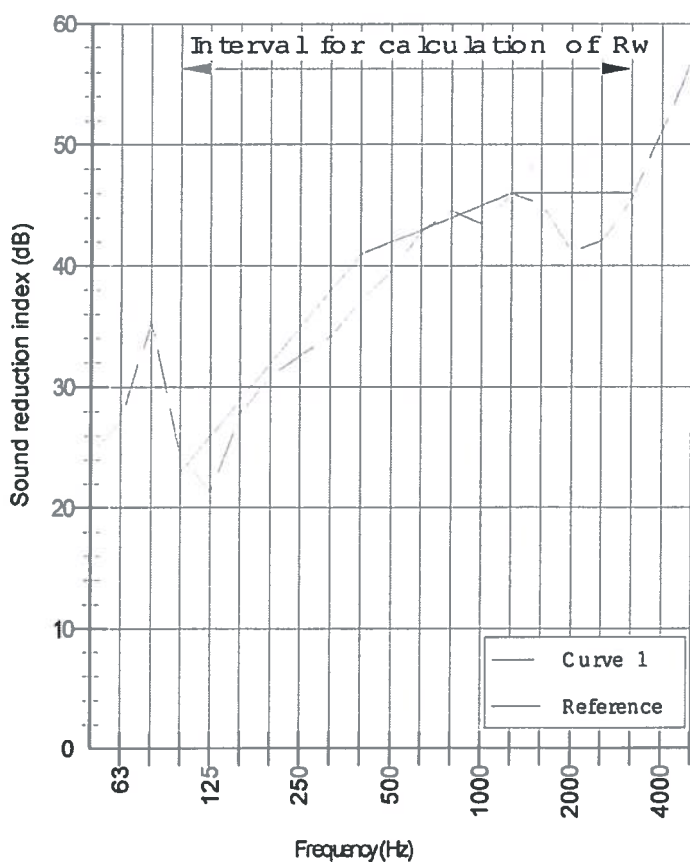
Client: Nordan AS Date of test: 2011-03-08

Test object: Fixed window (not openable) with thermal insulated frame, 1230 mm x 1480 mm

Glass unit: From the outside: 6 glass - 12 argon - 4 glass - 18 argon - 4/0,76/4 glass

Temperature and humidity: 22° C resp. 19% RH
Area of the test opening: 1,87 m², concrete module

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



Frequency (Hz)	Curve 1 (dB)
50	24,6
63	27,3
80	35,5
100	24,3
125	21,3
160	27,9
200	30,9
250	32,6
315	34,2
400	37,3
500	39,6
630	42,9
800	44,6
1000	43,5
1250	46
1600	45,1
2000	41,2
2500	42
3150	45,6
4000	51,2
5000	57,1

Rw	42
(C; Ctr)	(-2;-6)
50-3150	(-2;-6)
50-5000	(-1;-6)
Rmean	37,4
Sum. Dev.	30,9
Max. Dev.	4,8
Frequency	2000