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

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

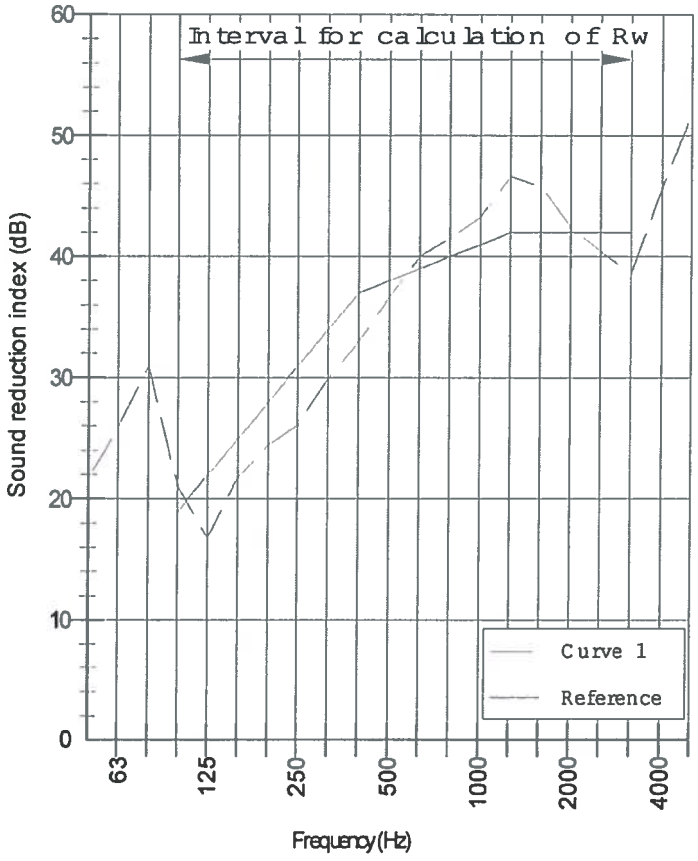
Test object: Fixed window (not openable), 1235 mm x 1485 mm

Glass unit: From the outside: 6 glass - 16 argon - 4 glass - 20 argon - 4 glass

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

Area of the test opening and module: 1,87 m^2, concrete module

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



Frecuency (Hz)	Curve 1 (dB)
50	21,8
63	26
80	30,9
100	21,1
125	16,8
160	21,8
200	24,5
250	26,1
315	29,9
400	33
500	36,7
630	40
800	41,5
1000	43,3
1250	46,6
1600	45,8
2000	42,4
2500	40,4
3150	38,6
4000	45,6
5000	51,8

Rw	38
(C; Ctr)	(-2;-6)
50-3150	(-2;-7)
50-5000	(-1;-7)
Rmean	34,3
Sum. Dev.	31,2
Max. Dev.	5,2
Frequency	125