

Test Specimen Name: 54mm Moralt Firesmoke MDF

Reference Number: MTZ/F13020/P023

Client: Moralt AG

Date of Test: 24/05/2013

Test Specimen Installed By: BM Trada

Area of Specimen (S): 4.10 m²

Source Room Volume: 82.00 m³

Temperature in Test Rooms: 18.2°C

Receive Room Volume: 63.70 m³

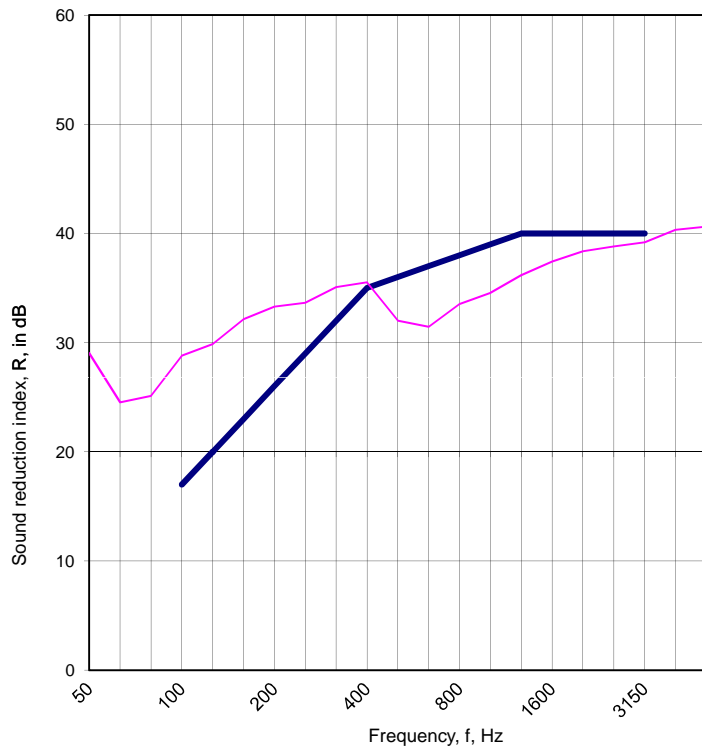
Static Pressure: 995240.0 Pa

Humidity in Test Rooms: 43.2 %

Test Specimen Description: 54mm Moralt Firesmoke (6mm MDF) - Equal Pairs. Perimeter seals - NOR710 and NOR720, meeting stiles - 154TF NOR720, threshold - 2No. NOR810dB+. See section 2 for description of specimen

f, Hz	R, dB
50 ⁺	29.1
63 ⁺	24.5
80 ⁺	25.1
100	28.8
125	29.9
160	32.2
200	33.3
250	33.7
315	35.1
400	35.5
500	32.0
600	31.4
800	33.5
1000	34.6
1250	36.2
1600	37.4
2000	38.4
2500	38.8
3150	39.2
4000	40.3
5000	40.6
AAD	-28.4

↑
Frequency range for rating in accordance with ISO 717-1
↓



— Rating Curve (ISO 7171) — Sound Reduction Index, R, in dB

$R_w = 36$ dB	$C_{(50\ 3150)} = 0$ dB	$C_{tr(50\ 3150)} = -2$ dB
$R_w + C = 36$ dB	$C_{(50\ 5000)} = 0$ dB	$C_{tr(50\ 5000)} = -2$ dB
$R_w + C_{tr} = 34$ dB	$C_{(100\ 5000)} = 0$ dB	$C_{tr(100\ 5000)} = -2$ dB

Martin Durham
Technical Officer

⁺ indicates that the frequency is outside of our UKAS accreditation and is for information only

The legal validity of this report can only be claimed on presentation of the complete report

