

Test Specimen Name: 59mm Moralt Firesound (glazed)

Reference Number: MTZ/F13020/P012

Client: Moralt AG

Date of Test: 23/05/2013

Test Specimen Installed By: BM Trada

Area of Specimen (S): 2.10 m²

Source Room Volume: 82.00 m³

Temperature in Test Rooms: 18.2 °C

Receive Room Volume: 63.00 m³

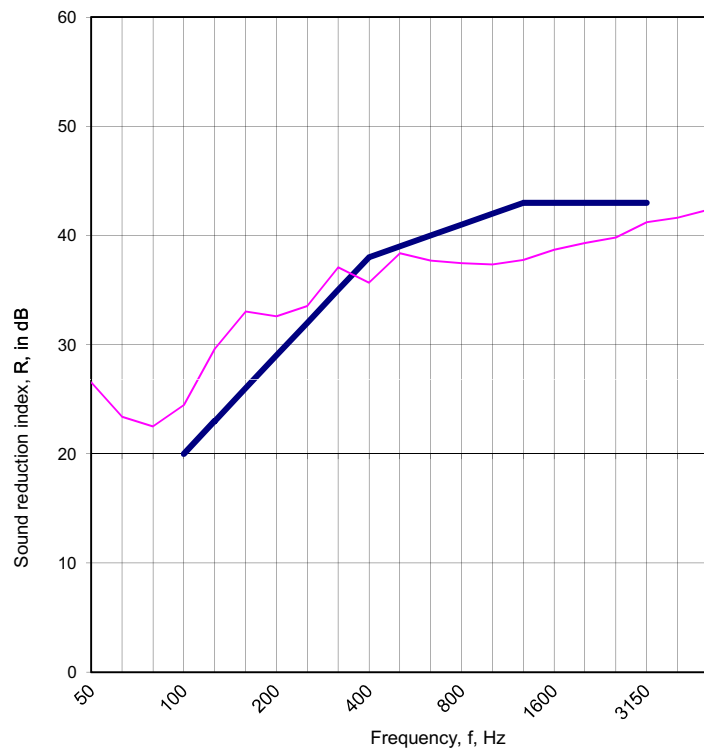
Static Pressure: 995240.0 Pa

Humidity in Test Rooms: 43.2 %

Test Specimen Description: 59mm Moralt Firesound (glazed). Glass - 10mm Pyrodur. Perimeter seals - NOR710 and NOR720, threshold seal NOR810dB+. See section 2 for description of specimen

f, Hz	R, dB
50 ⁺	26.5
63 ⁺	23.4
80 ⁺	22.5
100	24.5
125	29.6
160	33.0
200	32.6
250	33.5
315	37.1
400	35.7
500	38.4
600	37.7
800	37.5
1000	37.3
1250	37.7
1600	38.7
2000	39.3
2500	39.8
3150	41.2
4000	41.6
5000	42.4
AAD	-31.7

Frequency range for rating in accordance with ISO 717-1



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

$R_w = 39$ dB
 $R_w + C = 39$ dB
 $R_w + C_{tr} = 36$ dB

$C_{(50\ 3150)} = -1$ dB $C_{tr(50\ 3150)} = -4$ dB
 $C_{(50\ 5000)} = 0$ dB $C_{tr(50\ 5000)} = -4$ dB
 $C_{(100\ 5000)} = 0$ dB $C_{tr(100\ 5000)} = -3$ dB

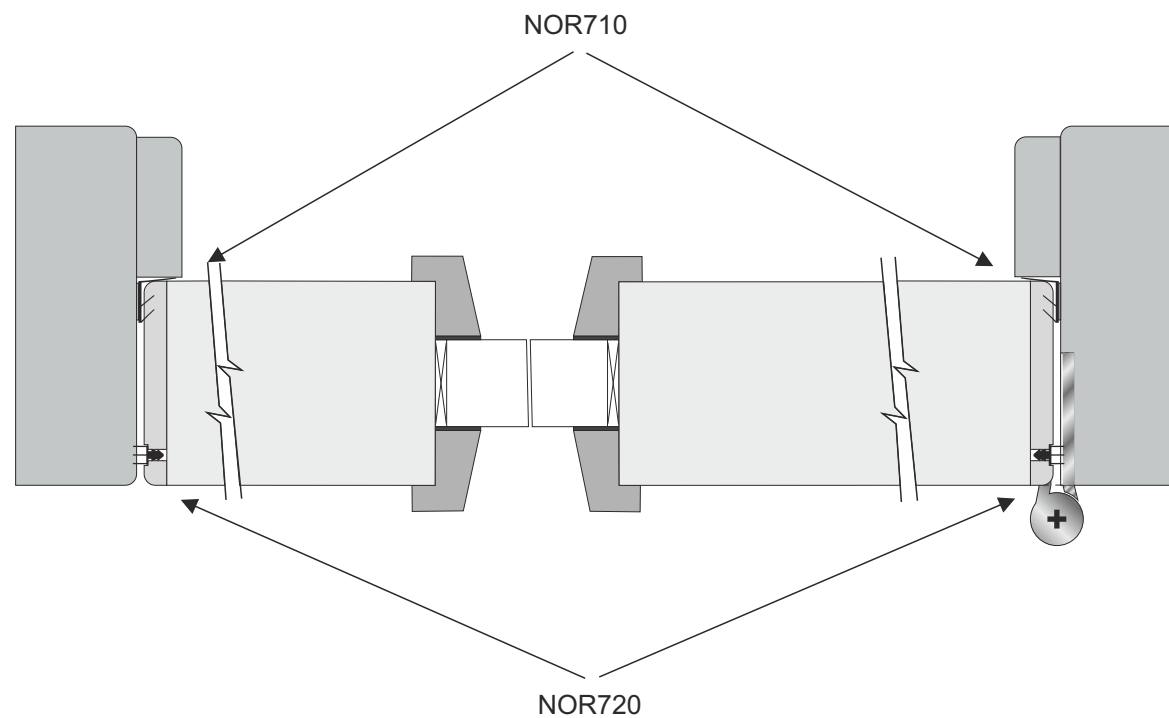
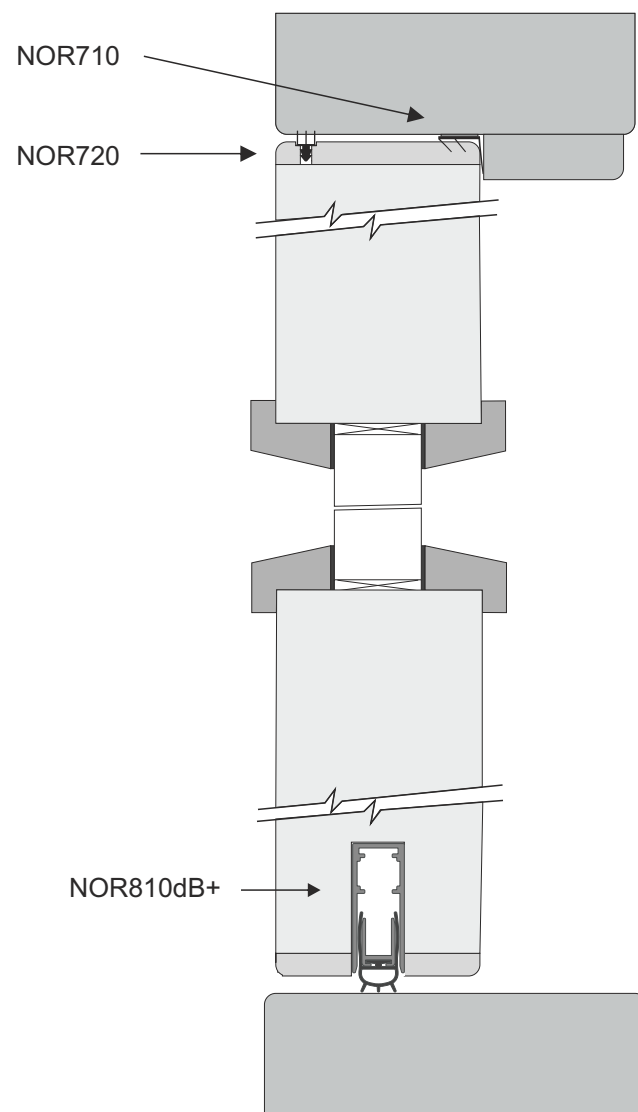


Martin Durham
Technical Officer

⁺ 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

As Tested 39 dBRw



10mm Pyrodur 25% glazed

