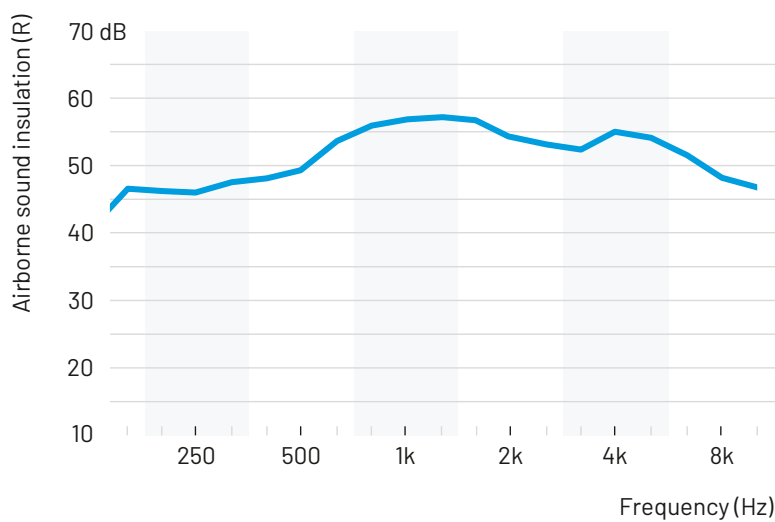


M55L door

Laboratory measurements of sound insulation of the Merford type M55L door

Laboratory: Cauberg-Huygen Zwolle
 Test element: door type M55L
 Manufacturer: Merford Special Doors

Project nr.: 991169-1A
 Area, S, of test element: 2,0 m²
 Mass per unit area M55L: 49 kg/m²
 Receiving room volume: 89 m³



Sound insulation measurements on M55L door took place in a laboratory. Single leaf, size 950 x 2100 mm, with threshold H=48 mm, 2 pcs compression type latches, no vision panel. Different leaf configuration, door size, threshold, locks, vision panels, etc. will affect sound insulation values.

Rating in accordance with EN ISO 140-3: $R_w = 55$ dB
 C -1 dB
 Ctr -3 dB

The M55L door has no fire rating.

Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	34,3	
63	21,5	25,7
80	31,5	
100	39,1	
125	40,3	41,0
160	46,5	
200	45,9	
250	45,7	46,3
315	47,5	
400	48,2	
500	49,6	50,0
630	53,8	
800	55,6	
1000	56,5	56,3
1250	56,8	
1600	56,1	
2000	54,3	54,6
2500	53,7	
3150	52,5	
4000	55,2	53,9
5000	54,3	
6300	51,7	
8000	48,1	48,5
10000	46,9	

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