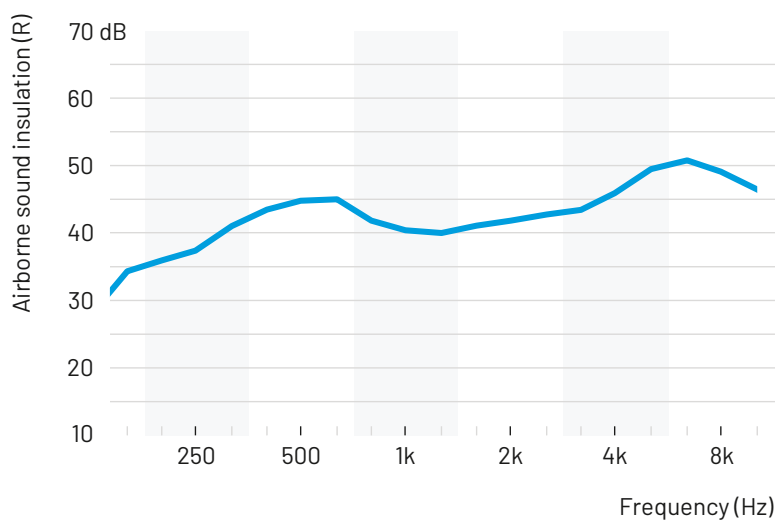


M43 door

Sound insulation of the Merford type M43 door

Laboratory: Merford Gorinchem
 Test element: door type M43
 Manufacturer: Merford Special Doors

Area, S, of test element: 2,21 m²
 Mass per unit area M43: 34 kg/m²
 Receiving room volume: 110 m³



Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	30,1	
63	15,1	17,4
80	16,4	
100	20,0	
125	26,7	23,8
160	34,7	
200	35,7	
250	37,3	37,4
315	40,7	
400	43,8	
500	44,9	44,5
630	45	
800	41,9	
1000	41,2	41,3
1250	41	
1600	41,8	
2000	43,7	43,3
2500	45,1	
3150	46,5	
4000	48,6	48,7
5000	53,8	
6300	54,6	
8000	54,1	53,3
10000	51,8	

Sound insulation measurements on M43 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 ISO 717-1: $R_w = 43$ dB
 C -1 dB
 Ctr -6 dB
 STC 44

The M43 door is available without fire rating or with fire rated classification EW 30, EI₂ 30, EI₁ 30, EW 60.

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