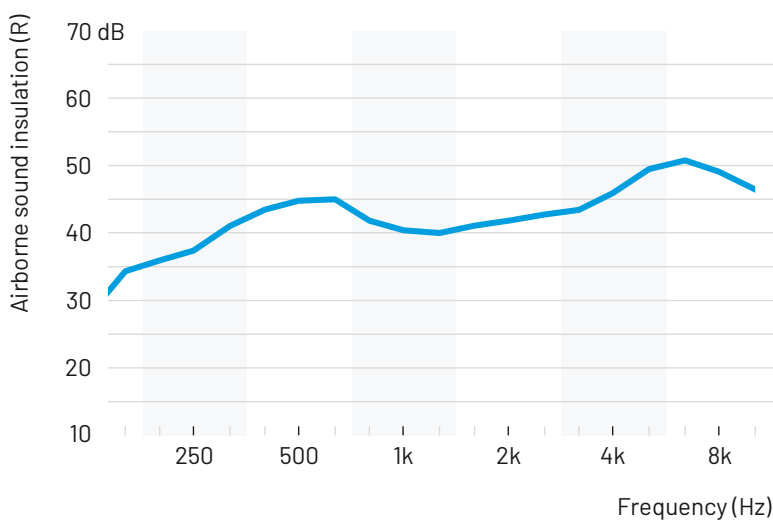


M42 door

Sound insulation of the Merford type M42 door

Laboratory: Merford Gorinchem
 Test element: door type M42
 Manufacturer: Merford Special Doors

Area, S, of test element: 2,21 m²
 Mass per unit area M42: 28 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	45,0	
800	41,9	
1000	40,2	40,6
1250	40,0	
1600	40,8	
2000	41,7	41,8
2500	43,1	
3150	43,5	
4000	45,6	45,6
5000	49,8	
6300	50,6	
8000	49,1	48,5
10000	46,8	

Sound insulation measurements took place in a laboratory. Specimen door M43, 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: $R_w = 42$ dB
 C 0 dB
 Ctr -5 dB
 STC 43

The M42 door is available with fire rated classification EW 30, EI₂ 30, EI 30, EW 60 (and EI₂ 120 or EI₁ 120 on demand).

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