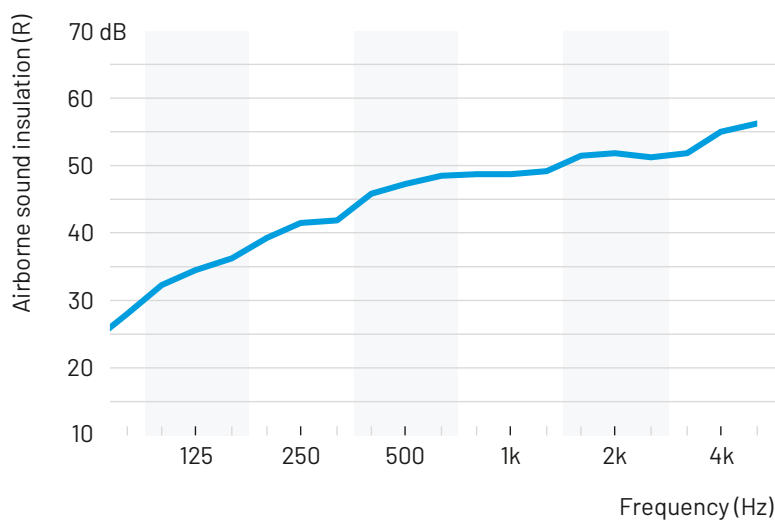


MFT door

Laboratory measurements of sound insulation of the Merford type MFT door

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

Project nr.: 20071123
 Area, S, of test element: 2,4 m²
 Mass per unit area MFT: 68 kg/m²
 Receiving room volume: 211 m³



Frequency (Hz)	R 1/3 oct (dB)	R 1/1 oct (dB)
50	29,8	
63	23,4	26,2
80	27,8	
100	32,4	
125	34,7	34,1
160	36,2	
200	39,0	
250	41,3	40,5
315	41,9	
400	45,4	
500	47,3	46,9
630	48,4	
800	48,5	
1000	48,5	48,7
1250	49,0	
1600	51,3	
2000	51,7	51,2
2500	50,7	
3150	51,9	
4000	55,0	54,0
5000	56,4	

Sound insulation measurements on MFT door took place in a laboratory. Single leaf, size 1045 x 2235 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 717-1:1996: Rw = 49 dB
 C -1 dB
 Ctr -4 dB
 STC 49

The MFT door is only available with with fire rated classification EW 30, EI₂ 30, EI₁ 30, EW 60, EI₂ 60, EI₁ 60, EW 90, EI₂ 90, EI₁ 90 or EW 120.

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