

Door	Core		Skin	Results		
Thickness	Type	Kind		Fire	Sound	Weight

Fire door

40 mm	33 RH	Tube board	3,2mm HDF	31 min	29 dB	17,7 kg/m ²
40 mm	33 VT	Solid board	3mm HDF	36 min	31 dB	20,0 kg/m ²
44 mm	38 RE4	Tube board	2,5mm MDF	34 min	28 dB	16,5 kg/m ²
44 mm	38 RE4	Tube board	2,5mm MDF	29 min	28 dB	16,5 kg/m ²
44 mm	38 RE7	Tube board	3mm HDF	36 min	28 dB	17,0 kg/m ²
44 mm	33 RH	Tube board	5mm HDF	34 min	28 dB	29,0 kg/m ²
44 mm	38 VT5	Solid board	3mm HDF	40 min	32 dB	23,5 kg/m ²
50 mm	44 RT7	Tube board	3mm HDF	33 min	29 dB	20,1 kg/m ²
54 mm	42 VT	Solid board	6mm HDF	60 min	30 dB	26,0 kg/m ²

30' Fire and acoustic door

40 mm	33 VL	Solid board	3mm HDF	39 min	32 dB	21,1 kg/m ²
44 mm	38 S2	Sandwich	3mm HDF	31 min	37 dB	28,7 kg/m ²
44 mm	38 S3K	Sandwich	3mm HDF	39 min	42 dB	23,6 kg/m ²
45 mm	39 S3K	Sandwich	3mm HDF	39 min	42 dB	25,6 kg/m ²
54 mm	48 S4K	Sandwich	3mm HDF		44 dB	34,4 kg/m ²
55 mm	45 S3K	Sandwich	5mm HDF	39 min	42 dB	32,0 kg/m ²
60 mm	48 S4	Sandwich	2x3mm HDF		43 dB	37,0 kg/m ²

60' Fire and acoustic door

54 mm	42 VL	Solid board	5,8mm HDF	71 min	33 dB	30,6 kg/m ²
54 mm	42 VL	Solid board	5,8mm HDF	60 min	33 dB	30,6 kg/m ²
54 mm	38 VL+H	Solid board	5mm HDF	64 min	34 dB	31,0 kg/m ²
57 mm	45 S3D	Sandwich	6mm HDF	62 min	40 dB	32,9 kg/m ²