




STRONGDOR
SECURED BY *steel*



Acousti*dor*[®]

ACOUSTIC-RATED STEEL DOORS





Up to 56dB acoustic rating!

Acoustidor®

Acoustidor leads the way in noise control. With certified noise reduction from 36dB to 56dB, when it comes to keeping sound in or noise out our acoustically rated steel door-sets, can be configured to meet your need.

*Please speak to a steel door expert for advice on which vision panel is applicable to meet the dB rating. Acoustic-rated steel door-sets must have a single rebate frame with a 44mm leaf depth and cannot include side or over panels.

Non Fire-Rated Door-sets	Door Configuration	Max Height (mm)	Max Width (mm)	Core	Threshold	Vision Panel*	U-value dB Rating	Strongdor Range(s)
	Single	2260	1115	Insulated	96mm, AM5, AM3	No	39	Steeldor
	Single	2260	1115	Insulated	96mm, AM5, AM3	Yes	39	Securidor
	Double	2260	2125	Insulated	96mm, AM5, AM3	No	36	Sportdor
	Double	2260	2125	Insulated	96mm, AM5, AM3	Yes	37	Steeldor Thermal
	Single	2260	1115	Honeycomb	96mm, AM5, AM3	No	36	Securidor
	Double	2260	2125	Honeycomb	96mm, AM5, AM3	No	32	Sportdor

Fire-Rated Door-sets	Door Configuration	Max Height (mm)	Max Width (mm)	Core	Threshold	Vision Panel*	U-value dB Rating	Strongdor Range(s)
	Single	2260	1115	Insulated	96mm, AM5, AM3	No	Up to 36	Firedor
	Single	2260	1115	Insulated	96mm, AM5, AM3	Yes	Up to 37	
	Double	2260	2125	Insulated	96mm, AM5, AM3	No	Up to 35	
	Double	2260	2125	Insulated	96mm, AM5, AM3	Yes	Up to 34	
	Single	2260	1115	Honeycomb	96mm, AM5, AM3	No	Up to 36	Firedor
	Double	2260	2125	Honeycomb	96mm, AM5, AM3	No	Up to 32	

Acoustidor+®

Suitable for use in noise-sensitive environments, such as recording studios, generator rooms, cinemas, nightclubs and churches, our Acoustidor+ is certified to EN ISO 140-3. With a leaf thickness of either 75mm or 100mm, this can be supplied in four versions, rated to 41dB, 47dB, 53dB and 56dB to meet your acoustic needs.

CERTIFICATION

Air permeability class 4 according to EN 12207 and Class A1/A2 NENEN 12152. Water-tightness Class 8A in accordance with EN 12208.

DIMENSIONS

Door thickness 75mm. Every door produced is bespoke and the dimensions can be adapted within the limits to suit the construction requirements exactly.

Single

Max. width = 1500mm Max. height = 3000mm

Double

Max. width = 3000mm Max. height = 3000mm (Larger sizes are available upon request, with limitations regarding site-specific conditions and manufacturing limitations)

COMPOSITION

Acoustidor+ sound insulating doors have a double-walled door leaf, made from galvanised steel sheeting. The doors contain interior insulation material, and are supplied complete with frame (made of 2mm sheeting) and fitted with a double-seal.

Frequency (Hz)	Isolation values (dB)*			
	41	47	53	56
63	15dB	17dB	61dB	34dB
125	22dB	25dB	34dB	43dB
250	36dB	38dB	42dB	47dB
500	44dB	44dB	51dB	50dB
1000	41dB	48dB	55dB	56dB
2000	42dB	51dB	56dB	55dB
4000	46dB	56dB	61dB	55dB
8000	49dB	61dB	64dB	-

Insulation values were measured in accordance with the EN ISO 140 - 3 standard, TNO report no. HAGRPT-960125/6.