



**Acousti***dor*<sup>®</sup>

PERSONNEL DOORS AND EMERGENCY EXITS

## ACOUSTICALLY RATED STEEL DOORS

Sound-insulating doors suitable for environments requiring medium to high levels of sound insulation.

**ADS Windows and Doors**

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### UNIQUE RANGE FEATURES

**8-10 week lead time**

**Up to 3m high**

**5 year warranty**

## CERTIFICATION

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

## SOUND INSULATION VALUES

Rw (C, Ctr)	41 (-1, -5) dB	47 (-2, -8) dB	53 (-2, -6) dB	56 dB
Ra pop	34 dB	37 dB	42 dB	50 dB
Ra house	26 dB	28 dB	30 dB	45 dB

The values provided were taken in a laboratory, using a single door.

## 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 = **1435mm** Max. height = **3010mm**

### Double

Max. width = **2905mm** Max. height = **3010mm**

## 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
<b>63</b>	15dB	17dB	18dB	34dB
<b>125</b>	22dB	25dB	34dB	43dB
<b>250</b>	36dB	38dB	42dB	47dB
<b>500</b>	44dB	44dB	51dB	50dB
<b>1000</b>	41dB	48dB	55dB	56dB
<b>2000</b>	42dB	51dB	56dB	55dB
<b>4000</b>	46dB	56dB	61dB	55dB
<b>8000</b>	49dB	61dB	64dB	-

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



## UNIQUE RANGE FEATURES

- 8-10 week lead time
- Up to 3m high
- 5 year warranty
- 4 days to quote

## COLOUR

Choose from stainless steel or powder coated to any RAL colour.

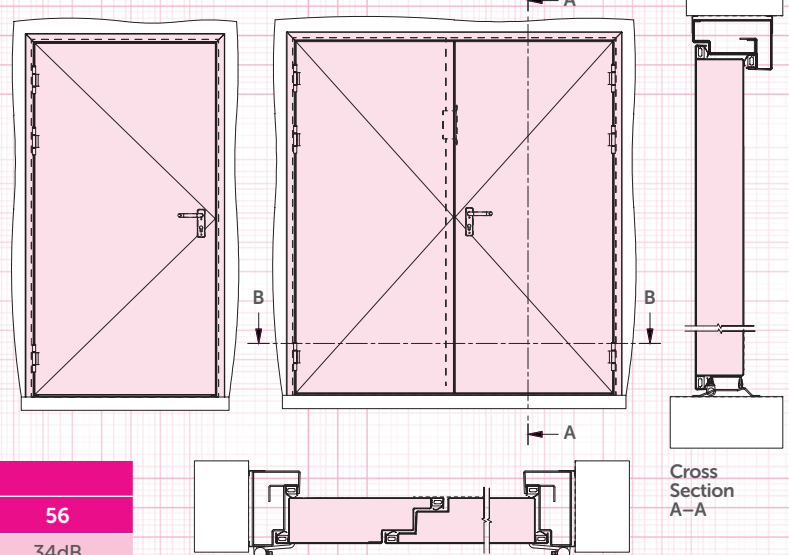
## WARRANTY AND OPTIONS

Each door comes with a 5 year construction warranty and can be combined with many other properties such as ballistic resistance, burglar resistance or fire rating to match your exact requirements. A full range of door furniture is also available.



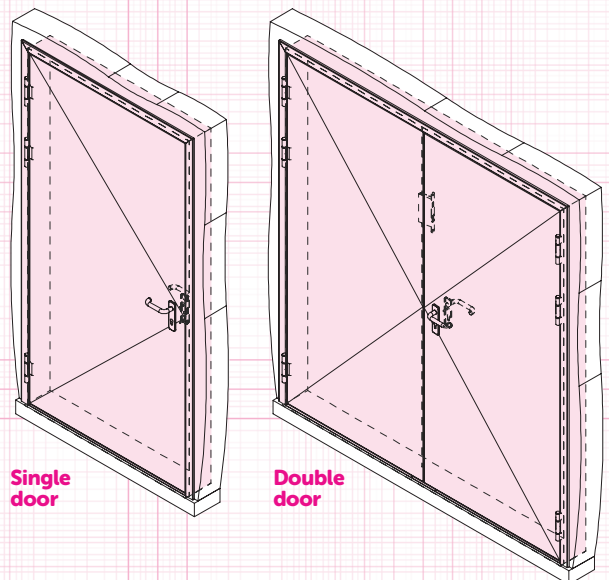
Single door

Double door



Cross Section B-B

Cross Section A-A



Single door

Double door

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