



Door pictured is outward opening

# Acoustidor<sup>®</sup>+

## Acoustic Rated Steel Door

- EMERGENCY EXITS
- PERSONNEL DOORS

SUITABLE FOR SECURITY OF BUILDINGS

### UNIQUE FEATURES

Up to 56dB rating

Up to 3m high

1 year warranty

Fire rating available



**Acoustidor leads the way in noise control.** With certified noise reduction from 41dB to 56dB, when it comes to keeping sound in or noise out our acoustically rated Acoustidor, can be configured to meet your need. Suitable for use in noise-sensitive environments, such as recording studios, generator rooms, cinemas, nightclubs and churches. 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.



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

**CERTIFICATION**

Air permeability class 4 according to EN 12207 and Class A1/A2 NEN-EN 12152. Water-tightness 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	56dB
Ra pop	34dB	37dB	42dB	50dB
Ra house	26dB	28dB	30dB	45dB

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 = 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.

**COLOUR**

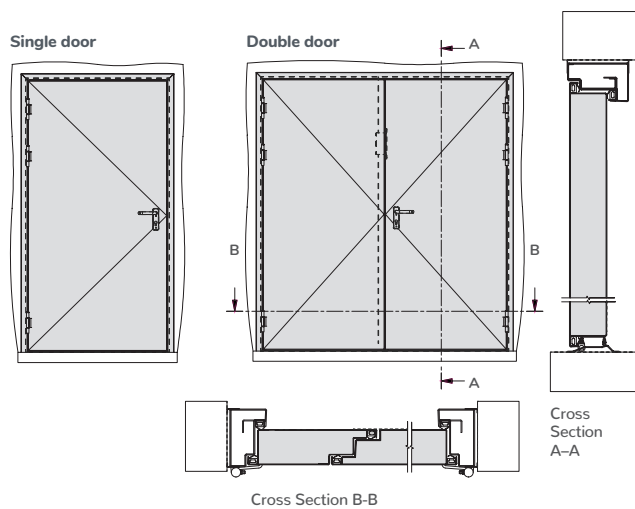
Choose from stainless steel or powder coated to any RAL colour.

**WARRANTY AND OPTIONS**

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

**FIRE RESISTANCE**

Upgrade to fire resistance tested to EN1634-1.



Frequency (Hz)	Isolation values (dB)*			
	41	47	53	56
63	15dB	17dB	18dB	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. HAGRP-960125/6.

**Threshold Options**

