

SilentDoor – Steel

Description

The **SilentDoor-Steel** range comprises a choice of single and double leaf acoustic door sets suitable for internal and external use, available in either Rw50dB or Rw39dB ratings. Their sturdy construction with specially designed hinges ensures durability and longevity.

Data Sheet
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They are designed to reduce sound transmission between rooms and to provide sound privacy in any architectural or industrial environment.

SilentDoors are individually manufactured to specification, can be operated manually or pneumatically and may be supplied with frosted or clear vision panels, threshold seals and a variety of door hardware including emergency panic buttons.

Finish

Rust protection paint as standard. **SilentDoors** and their frames may be spray painted or powder coated to any BS or RAL colour. Further details available on request.

Application

SilentDoors are suitable for use in broadcast and recording studios, medical establishments, public buildings such as cinemas, theatres, concert halls, sports halls, libraries and hotels and industrial applications such as food and drink processing and production areas, anechoic chambers, engine test cells, process control and observation rooms and machinery enclosures.

Technical Advice

Highly qualified engineers are available to offer assistance and advice to clients, architects and contractors on all aspects of thermal insulation and noise control to ensure design specifications and performance requirements are achieved. They can also undertake pre- and post-installation testing if required. Further details are available request.

Operating Temperature

SilentDoors are suitable for use at normal building temperatures.

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Fire Performance

SilentDoors have been independently tested and the single leaf door sets achieved up to 3.5 hours fire protection.

Acoustic Performance

SilentDoor Module	Sound Reduction Index Rw (dB)					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
ASS50 Single	34	42	47	51	53	49
ASD46 Double	30	36	39	44	46	42
ASS39 Single	21	30	37	41	45	44

Dimensions and Weight

50dB Range:

Single Leaf Modules:	ASS50/1224	ASS50/1530
Structural Opening	1200mm x 2400mm	1500mm x 3000mm
Overall Frame Size	1190mm x 2390mm	1490mm x 2990mm
Clear Opening Size	1050mm x 2314mm	1350mm x 2914mm
Frame Depth	110mm	110mm
Door Leaf Thickness	82mm	82mm
Single Leaf Weight	170kg	250kg
Total Weight	230kg	320kg

Double Leaf Modules:	ASD46/3024	ASD46/3030	ASD46/4444
Structural Opening	3000mm x 2400mm	3000mm x 3000mm	4400mm x 4400mm
Overall Frame Size	2990mm x 2390mm	2990mm x 2990mm	4370mm x 4380mm
Clear Opening Size	2850mm x 2304mm	2736mm x 2857mm	4018mm x 4203mm
Frame Depth	110mm	100mm	200mm
Door Leaf Thickness	82mm	82mm	126mm
Single Leaf Weight	200kg	275kg	1000kg
Total Weight	470kg	640kg	3400kg

39dB Range:

Single Leaf Modules:	ASS39/1224	ASS39/1530
Structural Opening	1200mm x 2400mm	1500mm x 3000mm
Overall Frame Size	1190mm x 2390mm	1490mm x 2990mm
Clear Opening Size	1054mm x 2316mm	1354mm x 2916mm
Frame Depth	90mm	90mm
Door Leaf Thickness	65mm	65mm
Single Leaf Weight	105kg	160kg
Total Weight	160kg	225kg

Double Leaf Modules:	ASD39/3024	ASD39/3030
Structural Opening	3000mm x 2400mm	3000mm x 3000mm
Overall Frame Size	2990mm x 2390mm	2990mm x 2990mm
Clear Opening Size	2854mm x 2316mm	2854mm x 2916mm
Frame Depth	90mm	90mm
Door Leaf Thickness	65mm	65mm
Single Leaf Weight	135kg	167kg
Total Weight	350kg	420kg

Note: Bespoke sized doors are available depending on the performance required. Further details available on request.

Care and Maintenance

Door furniture will require regular maintenance. Further details available on request.

Availability

Doors are available to order and should be fitted by skilled tradesmen or specialist contractors.

For Further Information

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