

# SilentDoor – Timber



**H&H**  
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Technologies

Data Sheet  
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## Description

The **SilentDoor-Timber** range comprises a choice of single and double leaf acoustic door sets suitable for internal and external use, available in either Rw45dB or Rw48dB ratings. They are manufactured from a robust and reliable wooden construction with specially designed hinges to ensure durability and longevity.



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

**SilentDoors** 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

A range of standard leaf wood veneers are available. Alternatively, **SilentDoors** and their frames may be spray painted to any BS or RAL colour. Other veneers and finishes are available, further details available on request.

## Application

**SilentDoors** are suitable for use in broadcast and recording studios, medical establishments and public buildings such as cinemas, theatres, concert halls, sports halls, libraries and hotels.

## 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 on request.

## Operating Temperature

**SilentDoors** are suitable for use at normal building temperatures.

## Fire Performance

SilentDoors have been independently tested and the single leaf door sets achieved a 1/2 hour fire rating.

## Acoustic Performance

SilentDoor Module	Sound Reduction Index Rw (dB)				
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz
AT/1200-45 Single	37	41	45	46	45
AT/1200-48 Single	44	43	46	49	49

\*Allow up to 4dB lower Rw values for AT/3000-45 and AT/3000-48 double leaf door sets

## Dimensions and Weight

45dB and 48dB Range:

Single Leaf Modules:	AT/1200-45 and AT/1200-48
<b>Structural Opening</b>	up to 1200mm x 2400mm
<b>Overall Frame Size</b>	up to 1190mm x 2390mm
<b>Clear Opening Size</b>	up to 1070mm x 2324mm
<b>Frame Depth</b>	100mm
<b>Door Leaf Thickness</b>	64mm
<b>Maximum Weight</b>	80kg

Double Leaf Modules:	AT/3000-45 and AT/3000-48
<b>Structural Opening</b>	up to 2400mm x 2400mm
<b>Overall Frame Size</b>	up to 2390mm x 2390mm
<b>Clear Opening Size</b>	up to 2150mm x 2324mm
<b>Frame Depth</b>	100mm
<b>Door Leaf Thickness</b>	64mm
<b>Maximum Weight</b>	160kg

**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.

