

MD 55 / MD 56L SOUND-INSULATING DOOR

The MD 55 and MD 56 L heavy-duty sound-insulating doors are suitable for environments requiring very high levels of sound insulation.

$$R_w = 56 \text{ dB(A) or}$$

$$R_w = 55 \text{ dB(A)}$$






+ Fire resistance as a standard option



Applications

MD 55/56 doors are suitable for use as either inside or outside doors. Examples include discos, cinemas, multi-purpose centres and machine rooms.

Available in combination with:

-  Fire resistance
-  Ballistic resistance
-  Burglar proofing
-  Escape door features
-  Suitable for ATEX environments

Certification

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

Dimensions

Door thickness = 100 mm

Every door produced by Merford is customer-specific; the dimensions can be adapted within the limits to suit the construction requirements exactly.

Single-wing

Max. Width = 1435 mm
Max. Height = 3010 mm

Double-wing

Max. Width = 2905 mm
Max. Height = 3010 mm

Sound insulation value

MD55 - R_w (C,Ctr) = 55(-1,-3) dB

MD56L - R_w (C,Ctr) = 56(-1,-2) dB

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

	MD 55	MD 56L
R_w	55 dB	56 dB
$R_{a \text{ pop}}$	48 dB	50 dB
$R_{a \text{ house}}$	38 dB	45 dB
$R_{a \text{ bios}}$	43 dB	46 dB

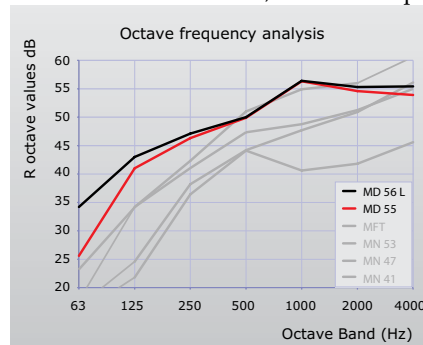
Insulation values were measured in accordance with the EN ISO 140 - 3 standard, report no. 991169-1A.

Tandem model

The tandem model allows two MD-56 doors to be placed one behind the other, enabling higher insulation values to be achieved.

Composition

Merford MD 55/MD 56 sound-insulating doors have a double-walled door leaf made of Sendzimir galvanised steel sheeting. The doors contain interior insulation material, and are sup-



Sound insulation values

MD 55 / MD 56L DOOR

Suitable for very high sound-insulation requirements

FEATURES

- Strong insulation at low frequencies
- Strong/solid
- Many options available
- Available in colour

APPLICATIONS

- Culture & Entertainment
- Hospitality sector
- Industry
- Schools/universities



Sound insulation

See chart



Air permeability

Class 4: NEN-EN 12207



Watertightness

Class 8A: NEN-EN 12208



NEN - EN 14351-1





plied complete with frame (made of 2 mm sheeting). The MD 55 and MD 56L doors both have a double-seal made of special rubber.

Finishing

The standard finish for the door and frame is a 2-component primer, with optional lacquering in an RAL colour of your choice

Fittings

Doors can be fitted with:

- BKS door lock, type 1206
- Anti-panic lock with pushbar
- Door limiter/door spring
- Espagnolette lock
- Window

Other options on request.

Models

Merford doors are available as single or double-doors, with or without an intermediate stile. Doors can be made either left or right-swinging. Other options on request.

Installation

In order to ensure optimum performance of our doors, Merford offers VCA** certified installation teams, whose tools and equipment are monitored periodically according to safety requirements.

Custom doors

Merford offers a wide range of custom solutions in terms of shape, size and fittings. Please contact us for more information.

Quality

Merford manufactures according to the quality standards of the VMRG (the Dutch Association of the Metal Windows and Façades Sector). All product-specific features can be demonstrated by a valid certificate.

Guarantee

Five-year guarantee on construction
Five-year guarantee on lacquering (fi-



MD55 Crematorium Hofwijk Rotterdam



Tandemconstruction MD56L Muziekcluster Enschede

nishing)
two-year guarantee on fittings.

Construction documents

The specifications and technical drawings for this door can be downloaded from our website: :

www.specialdoors.nl

Disclaimer

The recommendations in this product information leaflet have been made as fully and correctly as possible, however they are not a guarantee. If in doubt, please consult one of our specialists