

MN 41 SOUND-INSULATING DOOR





The MN 41 sound-insulating door has the starting value of all sound-insulating doors in our product range. These doors are suitable for environments requiring moderate levels of sound insulation.

$$R_w = 41 \text{ dB(A)}$$

Applications

MN 41 doors are suitable for use as either inside or outside doors. Examples include light industrial applications, and doors separating technical areas from working spaces.

Available in combination with:

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

Dimensions

Door thickness = 75 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

$R_w (C, C_{tr}) = 41 (-1, -5) \text{ dB}$

Ra pop = 34 dB

Ra house = 26 dB

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

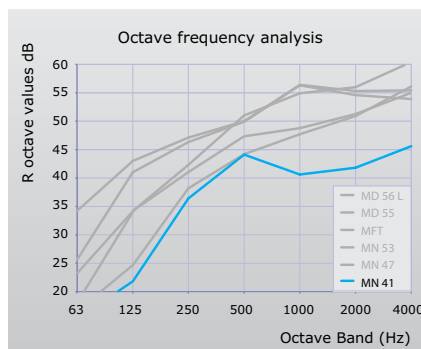
laboratory, using a single-wing door.

Frequency (Hz)	Insulation value (dB)*
63	15
125	22
250	36
500	44
1000	41
2000	42
4000	46
8000	49

* Insulation values in accordance with the EN ISO 140 – 3 standard, TNO report no. HAG-RPT-960124.

Composition

Merford MN 41 sound-insulating doors have a double-walled door leaf made from Sendzimir galvanised steel sheeting. The doors contain interior insulation material, and are supplied complete with frame (made of 2 mm sheeting). MN 41 doors have a single seal.



Sound insulation values



TYPE MN 41 DOOR

Suitable for moderate sound insulation requirements

FEATURES

- Durable
- Strong/solid
- Many options available
- Available in colour

APPLICATIONS

- Industry
- Offices
- Government buildings
- Schools/universities



Sound insulation
See chart



NEN - EN 14351-1





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 (finishing)

two-year guarantee on fittings.



MN 41 Sewage Treatment Overvecht



MN41 Town hall Hoogerheide

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