



Door suitable for higher sound insulation requirements

MN 47/MN 53 DOOR

The MN 47 and MN 53 sound-insulating doors are suitable for environments requiring medium to high levels of sound insulation.

APPLICATIONS

MN 47/53 doors are suitable for use as either inside or outside doors. Examples include meeting rooms, bars, theatres and conference centres.

CERTIFICATION

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

SOUND INSULATION VALUES

	MN 47	MN 53
Rw (C, Ctr)	47 (-2, -8)	53 (-2, -6)
	dB	dB
Ra pop	37 dB	42 dB
Ra house	28 dB	30 dB

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

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.

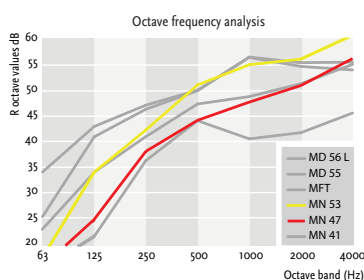
Max. height = 3010 mm.

Frequency (Hz)	Isolation values (dB)*	
	MN 47	MN 53
63	17 dB	18 dB
125	25 dB	34 dB
250	38 dB	42 dB
500	44 dB	51 dB
1000	48 dB	55 dB
2000	51 dB	56 dB
4000	56 dB	61 dB
8000	61 dB	64 dB

*Insulation values were measured in accordance with the EN ISO 140 – 3 standard, TNO report no.HAG-RPT-960125/6.

COMPOSITION


Merford MN 47/MN 53 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). The MN 47 and MN 53-type doors are both fitted with a double-seal.





Sound insulation values

FEATURES

- Durable and solid
- Many options available
- Available in colour


 **SOUND INSULATION**
HAG-RPT-(960125/960126)

 **AIR PERMEABILITY**
Class 4: EN 12207


 **WATER RESISTANCE**
Up to class 8A: EN 12208


 **CE-CERTIFICATING**
EN 1435 1-1

AVAILABLE IN COMBINATION WITH:

 **FIRE RESISTANCE**
30/60 min. efectis Ro047
CVB-R0514, efectis Ro264

 **BALLISTIC RESISTANCE**
Class FB 4 (EN 1522-1)

 **BURGLAR PROOFING**
RC 2 and RC 3 (EN 1627)

 **ESCAPE DOOR FEATURES**
EN 179 / EN 1125



MERFORD



MN 47/MN 53 DOOR

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 productspecific features can be demonstrated by a valid certificate.

GUARANTEE

Five-year guarantee on construction.
Five-year guarantee on lacquering (finishing).
One-year guarantee on fittings.



MN 53 doors in Cinema Must See, Groningen (NL)

QUALITY LABELS



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.

