



Fire resistance and sound insulation combined in a single door

MF51 DOOR

The MF 51 sound-insulating, fire-resistant door combines a high sound insulation value with 60 minutes of fire resistance. The MF 51 is ideal for environments requiring a combination of strong soundproofing and fire-resistance.

APPLICATIONS

MF 51 doors are suitable for use as either inside or outside doors. Examples include discos, cinemas, multi-purpose centres and machine rooms.

CERTIFICATION

- Air permeability class 4 according to EN 12207 and Class A1/A2 NEN-EN12152.
- Watertightness Class 8A in accordance with EN 12208.

DIMENSIONS

Door thickness = 75 mm.
Weight ca. 49 kg/m² of door leaf.
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

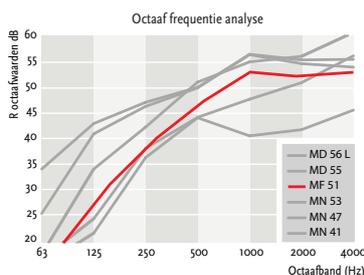
Max. width = 2905 mm.
Max. height = 3010 mm.

Frequentie (Hz)	Isolatie waarde
125	33 dB
250	41 dB
500	48 dB
1000	54 dB
2000	53 dB
4000	54 dB

SOUND INSULATION VALUES

The values provided were taken in a laboratory, using a single-wing door. Insulation values were measured in accordance with the EN ISO 140 - 3 standard, report no. 991169-1A.

R_w (C, C_{tr}) = 51 (-2, -5) dB
R_a pop = 43 dB
R_a house = 33 dB
R_a cinema = 37 dB
R_a outdoor sounds = 45 dB(a)
R_a rail traffic = 51 dB(a)



Geluidsisolatiewaarden

FEATURES

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

 **FIRE RESISTANCE**
CVB-R1434

 **SOUND INSULATION**
20100880

 **AIR PERMEABILITY**
Class 4: EN 12207

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

AVAILABLE IN COMBINATION WITH:

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

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

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

 **ATEX**
Suitable for ATEX environments



MERFORD



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FIRE-RESISTANCE

The MF 51 offers 60 minutes of fire resistance in accordance with NEN 6069. The fire test was carried out by the Netherlands Organisation for Applied Scientific Research (TNO) on a doublewing door with dimensions W = 2125 mm x H = 2350 mm. TNO-certified under fire test no. 99-CVB-R1434. Dimensions beyond those tested are not covered by the certificate.

SAMENSTELLING

Merford MF 51 sound-insulating and fire-resistant doors have a double-walled door, leaf, made from Sendzimir galvanised steel sheeting. The doors contain insulation material and are supplied complete with frame (made of 2 mm sheeting). The MF 51 has a double-seal made of special rubber. The construction of the door is guaranteed with a Cauberg - Huygen certification no. 20100880 - 5. Consequently, the construction of the doors is the same with the sound test and the fire proofing.

FINISHING

The standard finish for the door and frame is a 2-component primer. Besides, there are multiple additional options:

- The door can be lacquered in an RAL colour of your choice.
- The door can be provided with a wood print as real as normal wood. There are 600 wood designs available.
- The door can be provided with a print 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

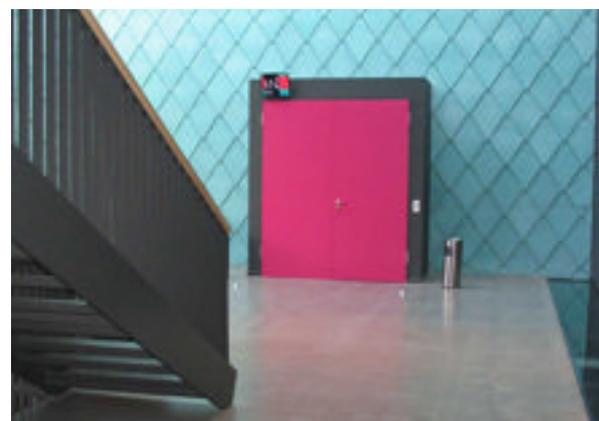
Merford offers a wide range of custom solutions in terms of shape, size and fittings. Please contact us for more information.

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).
One-year guarantee on fittings.



MF 51 in Toneelschuur Haarlem (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.