

# MF 51 SOUND-INSULATING FIRE-RESISTANT 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.

# $R_w = 51$ dB





## 60 minutes of 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.

### Available in combination with:

-  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 = 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

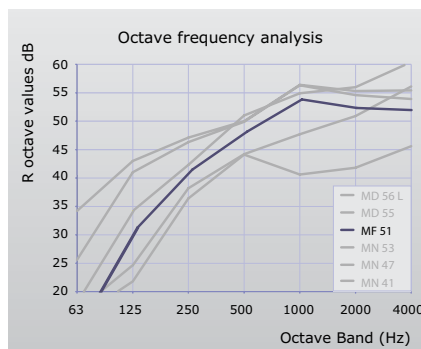
### Sound insulation value

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, Ctr) = 51 (-2, -7) dB  
 $R_a$  pop = 43 dB  
 $R_a$  house = 33 dB  
 $R_a$  bios = 37 dB  
 $R_a$  external noise = 45 dB(a)  
 $R_a$  rail traffic = 51 dB(a)

### 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 double-wing 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.



Sound insulation values

## MF 51 DOOR

Fire resistance and sound insulation combined in a single door

### FEATURES

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

### APPLICATIONS

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



#### Fire-resistance

60 min according to NEN 6069



#### Sound insulation

See chart



#### Air permeability

Class 4: NEN-EN 12207



#### Watertightness

Class 8A: NEN-EN 12208





### Composition

Merford MF 51 sound-insulating 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.

### 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.



*MF 51 de Toneelschuur Haarlem*

### 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.

### Construction documents

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

[www.specialdoors.nl](http://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