



sakumetall

FIRE RESISTANT SLIDING STEEL DOOR

MFD091 FIRE RESISTANT SLIDING STEEL DOOR FL, EI60 WITH ANNEXES

version 06

Applications

Used as a partition door between fire protection sections in industrial buildings, warehouses and garages, where the fire resistance class of doors is required to be EI60.

Dimensions

The maximum height with glass opening(s) is 4,000 mm and maximum width of the opening is 5,504 mm.

The maximum height with passage door is 2590 mm and maximum width of the opening is 2604 mm.

The height of the lighting opening of a door is 2,000 mm; the width of the lighting opening of a door is 900 mm.

Conformance certificate

The door has been tested according to the testing standards EVS-EN 1634-1:2000, in a testing laboratory of TÜV NORD BALTIK OÜ in Tallinn, and is certified according to the standard EN13241:2003 by Inspecta Estonia OÜ Kiwa group with the certificate 1336-CPR-0195 for a fire resistance class EI₂60.

Structure

The door is made of cold-milled sheet steel, by forming, edging and welding. A hanging bus system Helaform is used as the load-bearing structure.

Door panel is 75 mm thick. The outer cover panels of the door on both the exterior side and the interior side are made of sheet steel with the thickness of 1.0 or 1.5 mm. The outer cover panels are connected by welding, profile elements and glue. Inside the door panel there is heat insulation, for which fireproof mineral wool and mineral boards are used.

Cover panels are fastened by self-threading screws and by top-profile and bottom-profile bolts and screws.

Locking column is made of cold-milled sheet steel profiles. The insulation material is mineral wool.

Passage door with the thickness of 64 mm in made of sheet steel with the thickness of 1.0 mm. There are mantle edges on sides and at the top. The heat insulation of the passage door is made of fireproof mineral wool and mineral boards.

Finishing

The doors are painted with polyester powder paint in common colours. The standard colours are RAL9010 (pure white), RAL7001 (silver gray), RAL8014 (sepia brown), RAL9007 (grey aluminum), RAL7024 (graphite grey), RAL9006 (white aluminum). As an option, the doors can be painted in any of the RAL system colours with two-component polyurethane paint and epoxy base paint.

Locks

The doors can have an Abloy LC306/35 lock system with a CY064 key seat or an Abloy LC307/35 lock system with a CY046 key seat. NB! The door is lockable from one side only! The passage door can have an Abloy 4190 lock system with a CY013 key seat.

Closing device

The door must be supplied with one of the following:
- Closing automatics GILGEN, OVITOR or DICTAMAT.

Installation

The load-bearing structure is mounted on the wall. The doors is assembled from separate elements, top and bottom listels are added and fastening openings are covered. The whole door panel is fastened to the load-bearing structure. The locking column is fastened to the wall, and the edge covering lathes are installed to the door opening at the top and at the side across from the locking column. If necessary, closing automatics are added. More specific installation instructions are given in the installation manual. Upon installation, there must remain enough free space at the surfaces beside the door opening. In case of installing the door to a light wall, an installation frame must be prepared beforehand!

Options

The door can be supplied with the following options:

- Window with the dimensions of 500 mm in height and 250 mm in width. The window can be located in the door panel or in the passage door. At least 145 mm away from the side edge of the door panel and at least 250 mm away from the top edge of the door panel.
- Passage door with closing system Abloy 235 OEMPC.

Maintenance

The door must be verified and maintained at least once after every 6 months. The closing of the door and the functioning of the locking elements must be verified. More specific maintenance information is given in the maintenance manual. It is possible to sign a maintenance contract upon purchasing the door.

