

SGC EI(1) 60 / EW 120

fire resistant sliding door



Fire resistant sliding doors provide an excellent solution for compartmenting or closing off spaces and making them fireproof in several industrial applications. Due to the high fire-resistance of 60 minutes (in compliance with the EI(1) criteria) and 120 minutes (in compliance with the EW criteria), based on two-sided testing according to the European norm EN 1634-1, this door is very suitable for areas that require a high fire-resistance in combination with

specific installation options. It is also very suitable for facilities in which substances, dangerous for the environment, are stored. For mounting purposes, the construction wall must consist of concrete, aerated concrete or sand-lime brick. Because the panels of the sliding door meet the fire class B-s1, d0, this door is particularly suitable for use in protected escape routes.

Door leaf

The door leaf of the single leaf sliding door consists of unique, fire resistant, composite sections (standard color white) with a thickness of 42mm. The sections are joined by galvanized steel strips that are placed horizontally on the door leaf. Galvanized steel U-profiles are fitted around the door leaf. The leaf of the sliding door is equipped with a handle on both sides. The door leaf has a weight of 35 kg per m² and a theoretical insulation value (U value) of 1,99 W/m²K.

Labyrinths and motion system

A vertical wall labyrinth is placed on the left and right side of the opening and a horizontal wall labyrinth on the top. The labyrinths are made of galvanized steel material, filled with an intumescent (in case of heating) material. The door leaf is suspended from a horizontally sliding rail system and when the sliding door is closed, the door leaf and the labyrinths provide a fire-resistant seal for the opening.

Control

The fire resistant sliding door is a manually operated door, which is equipped with an adjustable speed controlling device with integrated 24V magnet. The sliding door is self-closing by means of a counterweight. The control of the door can be made possible by means of smoke or temperature detectors or a fire alarm system, if present.

Options

All steel parts of the sliding door can be painted in a RAL color of choice by powder coating. The panels of the door can be painted in a RAL color of choice by wet painting or wrapping.



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ROLLING SHUTTER



FIRE-RESISTANT DOOR



CONSTRUCTION



classification	fire rating	max. width	max. height	max. opening
EI(1)	60 minutes	5.450 mm	5.500 mm	25 m ²
EI(2)	60 minutes	5.450 mm	5.500 mm	25 m ²
EW	120 minutes	5.450 mm	5.500 mm	25 m ²

Classification according to:

- EN 13501-1 B-s1, d0
- EN 13501-2 EI160
- EN 13501-2 EI260
- EN 13501-2 EW120

Report number:

- 2020-Efectis-R001582

The CE marking is provided according to the EN 16034.

(expected completion in November 2020)

These doors are delivered based on wind class 0 and only suited for inside/inside situations.



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