

RGT EW 90

fire resistant roller curtain



Fire resistant roller curtains are an excellent solution for fire safe compartmentation in situations with limited installation space in locations such as hospitals, government institutions, shopping centres and various industrial applications. Combined with the high fire resistance up to EW 90 minutes, based on two-sided testing according to EN 1634-1, the roller curtains are very suitable for the most common fire load situations.

Door armor

The door leaf of a fire resistant roller curtain consists of a grey fabric, made of non-flammable textile with integrated ribs. At the bottom of the fabric a weighted profile is provided which, together with the ribs, ensures that the fabric remains in the guides in the event pressure.

Side guides

The side guides are constructed from a tube and C-profile for good guidance of the fabric. The construction is finished with galvanized steel cover plates which are provided with an intumescent (in case of heating) material.

Motion system

The motion system is composed of two galvanized steel brackets. Between the brackets the tube is located, which is placed between the brackets by means of bearings. The brackets are mounted on the tubes of the side guide, so a self-supporting structure is created.

The fire resistant roller curtains are only suitable for indoor situations and are not intended for daily use, only in case of an emergency.

For mounting purposes, the construction wall must consist of concrete, aerated concrete, sand-lime brick, a fire-resistant steel construction or a standard metal stud 1,5mm wall.

Drive

The fire resistant roller curtain is always fitted with a 230 V gravity fail-safe tubular motor and control box, so the curtain closes automatically in case of a fire signal or a power failure.

An emergency backup battery can be used if the roller curtain needs to remain in function in case of a power failure.

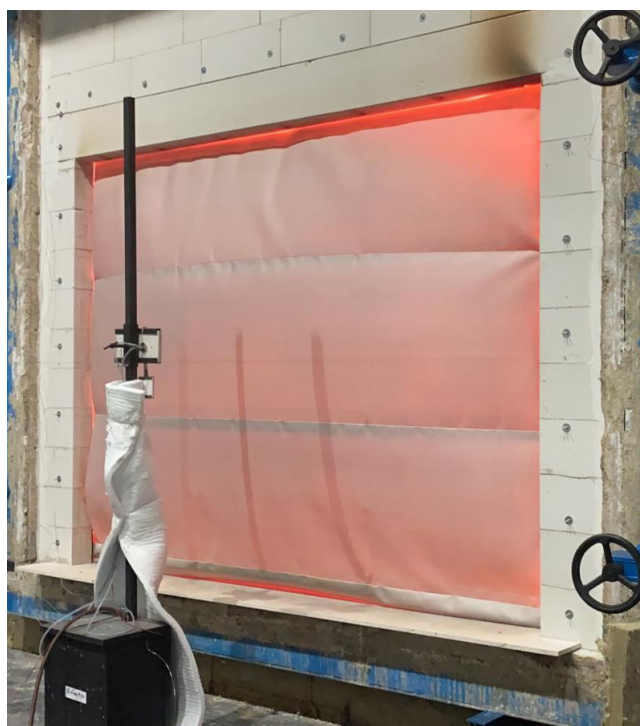
Control

The roller curtain is standard equipped with a control box and 2 optical/acoustic signals, including a back-up system.

On the control box a variety of applications can be connected, such as key switches, smoke and temperature detectors, or a fire alarm system.

Options

All steel components of the fire resistant roller curtain can be coated in any RAL color of choice. The visible steel parts can also be manufactured in AISI 304 stainless steel.



RGT EW 60

fire resistant roller curtain



classification	fire rating	max. width	max. height	max. opening
EW*	90 minutes	4.500 mm	4.500 mm	18,5 m ²

* final classification of performance will follow, based on extrapolation in combination with testing reports

Classification according to:
- EN 13501-2 EW90-C0
(report expected in December 2020)

The CE marking is provided according to the EN 16034.
(expected completion in February 2021)

These doors are delivered based on wind class 0.



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