

# RGS EW 240 TWIN

## fire resistant roller shutter



These fire resistant roller shutters provide an excellent solution for compartmenting or closing off spaces and making them fireproof in locations, such as government agencies, shopping centres and for several industrial applications. The roller shutters can be used on a daily basis and due to the high fire-resistance up to 240 minutes (in compliance with the EW criteria based on

two-sided testing according to the European norm EN 1634-1), these double, symmetrically placed shutters (minimum distance 200mm) are very suitable for situations that require a high fire-resistance. For mounting purposes, the construction wall must consist of concrete, aerated concrete or sand-lime; through-and-through assembly is mandatory.

### Door armor

The door leaf of the roller shutters consist of galvanized, double walled slats with a thickness of 22mm and a working height of 100mm.

The bottom side of the armors are finished with a galvanized L-profile that is attached to the bottom slats of the armor using pop rivets. The slats have galvanized steel end locks. The door leaf has a weight of 22,5 kg per m2 per shutter.

### Side guides and top connection

The side guides consist of galvanized steel tubes and guide profiles, which are finished with galvanized steel cover plates.

The top connections consist of a flame hook profile above the opening, into which the hook profile, located on one of the top slats, connects when the roller shutters are fully closed. This creates a complete fire-resistant closure of the opening..

### Motion system

The motion system is composed of galvanized steel or painted brackets. The brackets are attached to the wall using bolts and washer plates. The steel driving shafts and pressure tubes are located in between the brackets. The slats are rolled up on the driving shafts and guided into the side guides by means of the pressure tubes.

### Drive

The fire resistant roller shutters are standard equipped with a 400 V failsafe chain wheel motor, a control box and a safety catch device.

If the roller shutters have small dimensions, it is optionally possible to equip the shutter with a 230 V failsafe tubular motor. In case of a power failure, the roller shutters will close controlled by gravity due to these failsafe motors.

### Control

The roller shutter is standard equipped with a control box and, in case of the version with the failsafe chain wheel motor optionally, 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. Optionally, a set of light curtains can be connected to the control box for safe operation of the door.

### Options

The roller shutters can be equipped with a galvanized steel cover box over the roll and motor.

All steel components of the fire resistant roller shutters can be painted in a RAL color of choice.

There is also the possibility to finish the side guides, brackets and the cover box in stainless steel, INOX 304 or 316.



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classification	fire rating	max. width	max. height	max. opening
EW	30 minutes	6.000 mm	6.000 mm	36 m <sup>2</sup>
EW	60 minutes	6.000 mm	6.000 mm	36 m <sup>2</sup>
EW	90 minutes	6.000 mm	6.000 mm	36 m <sup>2</sup>
EW	120 minutes	6.000 mm	6.000 mm	36 m <sup>2</sup>
EW	240 minutes*	6.000 mm	6.000 mm	36 m <sup>2</sup>

\* additional performance of EW 240 minutes is not possible to classify in accordance with EN 13501-2

Classification according to:

- EN 13501-2 EW30-C2
- EN 13501-2 EW60-C2
- EN 13501-2 EW90-C2
- EN 13501-2 EW120-C2
- EN 13501-2 E240-C2

Report number:

- 2015-Efectis-R000681

The CE marking is provided according to the EN 16034, certificate no. 1812-CPR-1775.

These doors are delivered based on wind class 0. If it concerns an exterior shutter (inside/outside situation), wind class 2 is minimally required. Optionally these shutters can be delivered up to wind class 3.



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