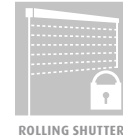


RGS EI(1) 120

Fire resistant rolling door



The fire resistant rolling door is suitable for a wide range of situations where exceptionally high fire resistance is desired. The high fire rating of 120 minutes (according to EI(1) requirement) also makes this door particularly suitable for the most common fire induced situations.

The fire resistant rolling door can also be fitted with a certified liquid barrier or explosion proof (ATEX) components, and the rolling door, in it's entirety, can be ATEX certified and is therefore particularly suitable for areas where hazardous materials are stored.

Door Armour

The door armour of the fire resistant rolling door are constructed from 60mm thick galvanized, double walled steel slats. The slats consist of two 0,80mm thick profiled, galvanized steel sheets, filled with special fire resistant insulation. The bottom of the bottom door panel is finished with a galvanized steel L-shaped profile, attached to the underside of the bottom slat by steel rivets. The slats are finished with galvanized steel end cams on both sides. The slats are fitted with a unique "click-system" which allows the slats to be (un)mounted when placed at a 90 degree angle.

Side guide

The side guides are constructed from galvanized steel guides and L-shaped profiles being fitted with intumescent material.

Movement system

The movement system consists of two steel brackets to which the tube is mounted. The brackets are attached to the wall using bolts and locking plates. A galvanized steel angle profile is fitted to the ends of the brackets. To ensure the stability of the movement system, a galvanized steel L-shaped profile is fitted to the ends of the brackets. The drive shaft on which the shutter is attached, is located between the brackets.

Drive system

The fire resistant rolling door comes standard with a 400V chain wheel motor. If the dimensions of the fire resistant rolling door are small, a 230V tubular motor may be utilised.

The rolling doors are standard equipped with a control unit and a safety brake.

If the fire resistant rolling door is fitted with a chain wheel motor, an

optional "fail safe" drive system can be installed to lower the door in a controlled manner using gravity, in the event of a power failure.

For fire resistant rolling doors with a tubular motor, an emergency backup battery can be optionally installed to allow the rolling door to continue operating in the event of a power failure.

Operation

As standard, the fire resistant rolling doors are fitted with a control unit which can accommodate various types of operational devices such as key switches, smoke or temperature detectors and a fire alarm system, if present.

Optional design features

The fire resistant rolling door can be optionally fitted with a galvanized steel cover box.

All the steel components of the fire resistant rolling doors can be coated in any desired RAL colour. All visible steel components can also be manufactured in AISI 304 or 316 stainless steel.

The electrical components (drive system and control unit) and any accessories (safety brake, on-stop-down push button) can be fitted to an explosion proof (ATEX) version.

The fire resistant rolling/lift door can be fitted with a, in combination with the door certified, liquid barrier.

The door, in it's entirety, can be optionally provided with ATEX certification



RGS EI(1) 120

Fire resistant rolling door



Classification	Fire rating	max. width	max. height	max. opening
EI(1)	120 minutes	10.000mm	10.000mm	40m ²

Above data based on the following reports:

- 2012-CVB-R0282 (classification report according to NEN-EN 1634-1)

Additional reports:

- 2013-Efectis-R0105.122 (liquid barrier report)
- II 2GD c T190 C (T3) (ATEX report)



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