

Fire proof rolling shutter **BLOCKSHUTTER E 90** is a compartmentalization system tested to ensure the integrity of the system at 1000 ° C for 90 minutes.

Fire proof rolling shutter **BLOCKSHUTTER E90** is composed by horizontal galvanized steel elements Z200 73 mm height and 1,0 mm thick; the elements are securely hooked together and blocked with steel lateral stops to prevent slipping between the slats and guarantee the uniform elements descent.

A robust L profile 3,00 mm thick with a thermo expandig gasket applied, complete the bottom element. In order to increase the wind load and internal vortex that may occur, the lateral elements are fixed with resistance hooks.

The lateral side guides are made of galvanized steel, with a dimensions of 60 x 60 mm, and must be installed 80mm from the clear width edge (valid within a rolling shutter's width of 6.00 mt), together with a 3,00 mm strong bead for wall fixation.

The support system is composed of two brackets to wich is inserted a support shaft D. 133 mm on wich su cui si arrotola il manto. It is supplied as standard with a roll cover box in pressed sheet metal that serves as both embellishment and flame protection.

**BLOCKSHUTTER E 90** is normally supplied with three phase wheel chain motor 400V- IP54 with Gravity Fail safe system with electric brake that control the speed descent of the curtain even in case of power failure. It is mandatory for the Gravity fail safe sistem, to install an acustic and visual signal in accordig with EN 12604.

A back up battery is integrated in the control panel and in case of power failure, assure continuity of the power supply to the magnetic brake to avoid an unespected leaf's descent.

The control panel is arranged for connection to the fire alarm and smoke or temperature detection system.

An built-in keyboard with up/down/stop inputs is provided.

The present information may be modify/correct/ integrate by the manufacturer in according with the effective regulamentation, without advance notice

**BLACKFIRE® è un marchio CONEGLIANO GROUP SRL**

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A 400 V three-phase drive with manual chain operation can be supplied as an alternative, with this motor type is mandatory to have an UPS (borne to the Customer) for the opening manouvre when the alarm activation occur.

The **control panel** (without back up battery) is arranged for connection to the fire alarm, smoke or temperature detection system.

An built-in keyboard with up/down/stop inputs is provided.

**Front wall fixation** on the wall with threaded rods da Ø12, 450 Kg/m<sup>3</sup> minimum wall density allow, 200 mm thickness.

**On request:** automatic operation, casing and Ral coating.

**BLOCKSHUTTER E 90** is certified **WIND LOAD class 2**

In according to EN 13241-1.

**BLOCKSHUTTER E 90** is **CE MARKED**

In according to **EN 16034:2014, EN 13241:2016**

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