

**BLOCKSHUTTER EW120** has been designed and tested on both sides to keep the thermal radiation below 15 kW/mq, in order to protect people and goods in the proximity, from heat radiation generated by fire.

**BLOCKSHUTTER EW120** is composed of galvanized steel elements, 114 mm height and 22 mm thick. The door leaf has a weight of 30kg/mq.

The elements are securely hooked together and fastened on the side with steel end locks in order to prevent slipping and guarantee the uniform elements descent and if it is necessary, other special hooks can be applied to increase the resistance against the wind or internal vortices that may occur.

A robust U profile with a thermo expanding gasket applied, complete the bottom element. The slats are infilled with highly performing silicate material that guarantee, after two hours of fire exposition in according to the fire test procedure reported on EN 1634-1, a detected radiation power not superior than 7KW/mq on the not exposed side.

The **lateral side guides** are made of galvanized steel and are composed of two parts, the first is a sturdy bead of the dimension of 5.00mm the first to be fixed to the masonry, the second is a C profile where the leaf of the rolling shutter slides.

The side guides dimensions are 80 x 80 mm and must be install 80mm from the width edge (valid within a rolling shutter's width of 6,00mt)

The **support system** consist of two sturdy steel brackets to which is inserted a support shaft of 219 mm diameter on which the rolling shutter is rolled. A pression tube is positioned on the internal side, in the external side instead, there is a tubular with thermo expanding gaskets to seal and contain the flames.

The frontal protection consist in a labyrinth system that joint the frontal tubular to the door leaf.

**BLOCKSHUTTER EW120** is normally supply with a 400V three phase chain wheel drive – IP54 with Gravity fail safe system, that guarantee a controlled speed decent, even in case of power failure.

It is mandatory for the Gravity fail safe system, 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.

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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/m3 minimum wall density allow, 200 mm thickness.

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

**BLOCKSHUTTER EI120** is certified **WIND LOAD class 2**

In according to EN 13241-1.

**BLOCKSHUTTER EI120** is **CE MARKED**

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