

# FLAMEGUARD

## Fire Resisting Hinged Steel Doors

Bolton Gate Flameguard hinged steel doors have been successfully tested to BS476 Part 22 and EN 1634-1 for up to four hours fire resistance. The flush faced design combines smoothness with outstanding aesthetic appeal while the consistently high standard of performance makes Flameguard suitable for a diverse range of industrial and commercial applications.

Every Bolton Gate steel door and frame offers significantly improved security over its timber counterpart, particularly so due to the strength of standard hinges employed. In addition, the latest computer technology is utilised to ensure that both door and frame are accurately punched and reinforced for all relevant items of hardware/ironmongery.

### STANDARD SPECIFICATION

#### **Door leaves**

The doors can be manufactured as singles or pairs.

The door leaves are constructed from 1.2mm thick zinc coated steel sheets folded to form a 45mm thick panel with the vertical edges reinforced to increase panel strength and rigidity. Horizontal channels are welded to the inside of the sheets to close off the top and bottom of the leaf.

The panels are infilled with a bonded honeycomb core and reinforcing pads are fitted within the leaf to accept hardware fixings.

The hinging edge is reinforced with steel mounting plates and the lock body is fitted within an internal closure for ease of maintenance/replacement.

An overlapping steel astragal is fitted on a pair to ensure positive sealing.

#### **Frame**

The frames are constructed from 1.6mm thick zinc coated steel to form a single rebate profile.

Headers are butt-jointed to the uprights and are reinforced to accommodate the fixing of door closers. Uprights are reinforced with steel plates at hinge and lock positions.

Frames can be supplied or prepared for bolt fixing to the structure.

#### **Hardware**

Various items of hardware are available to suit clients' requirements but to maintain the fire rating of the assembly, our standard stainless steel ball bearing hinges, overhead closer together with lever-action flush bolts to the inactive leaf of a pair should be supplied as a minimum.

### MAXIMUM SIZES

#### **Single**

1200mm wide x 2785mm high

#### **Pair**

2400mm wide x 2785mm high

### FINISH

As standard, all doors/frames are factory primed for painting on site (by others) after installation.



### OPTIONS

#### **Locks**

Latches can be incorporated also a sash lock with cylinder outside and cylinder or thumb turn inside.

#### **Closers**

Overhead hydraulic closers can be fitted with a leaf selector on pairs if both leaves are active.

#### **Panic Bolts**

Panic mortice latches can be fitted on escape doors.

#### **Vision Panels**

Square, rectangular or circular vision panels are available in Pyran or Firelite.

#### **Transom Panels**

Fixed or removable, in steel or glass.

#### **Louvres**

Up to 530mm wide x 530mm high fire rated up to 1 hour

#### **Finish**

Doors and frames can be powder coated to a range of standard BS or RAL colours.

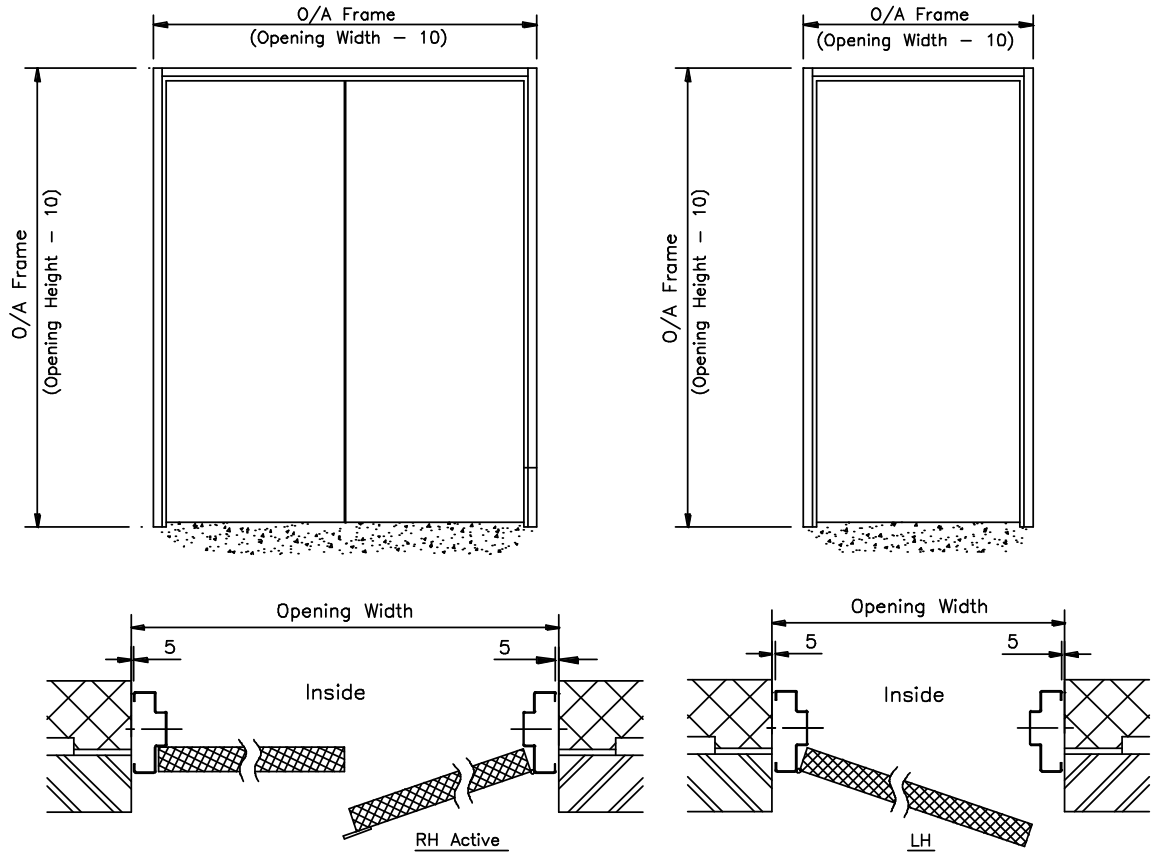
### WEIGHT

Single 65 kgs approximately.  
Pair 120 kgs approximately.

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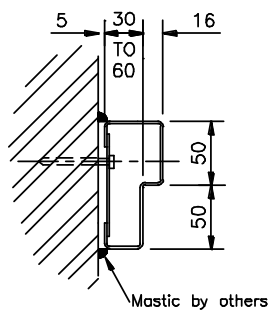
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### DOOR ARRANGEMENTS

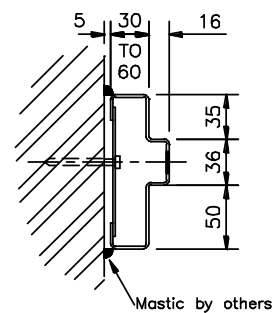


NOTE! ALL HANDING VIEWED FROM PULL SIDE

### FRAME DETAILS



SINGLE REBATE



DOUBLE REBATE