

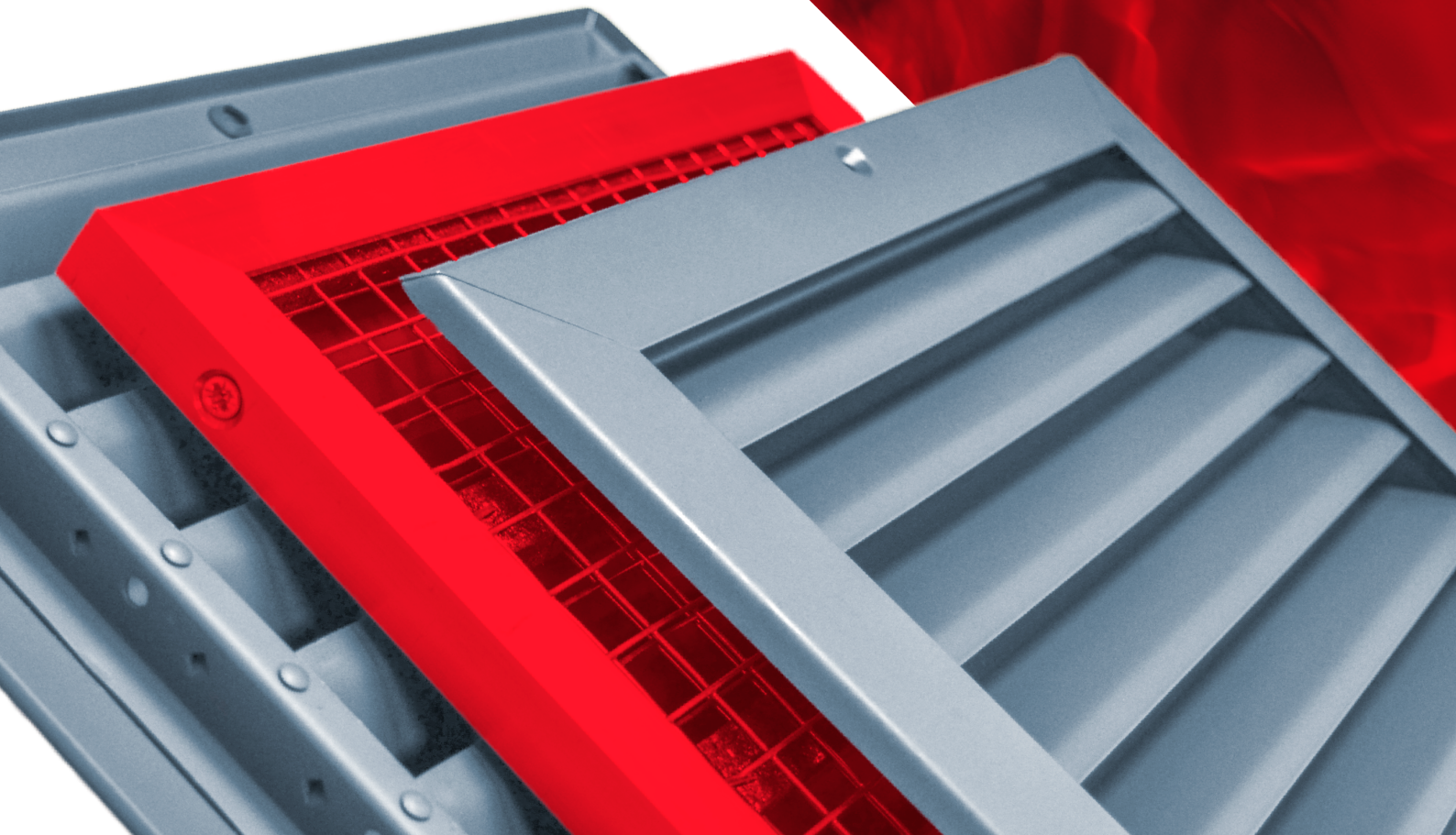
# FBLS

## FIRE BLOCK LOUVRE SYSTEM



**ZERO***plus*

Fire Stopping Ventilation  
Solution For Steel and  
Timber Doors





## AIR TRANSFER GRILLE FOR FIRE DOORS

The FBLS is a complete fire rated louvre system, consisting of a centrally mounted intumescent block, a 2 part steel louvre fixed to both sides of the door, and an intumescent aperture liner (timber doors only). Standard louvres allow ventilation but will also allow the passage of flames and hot smoke, the intumescent contained within the FBLS system expands, filling the void and maintaining the integrity of the door.

## APPLICATIONS

As the FB intumescent block contained within the FBLS system is only 14mm thick, the slim thickness enables it to be used with heavy duty steel louvres even on 44mm thick doors. This allows the specification of the FBLS for commercial and industrial applications. Examples are doors to data centres, plant rooms, stores, computer rooms, changing facilities and manufacturing areas. In fact, any area that requires ventilation but is protected by a fire rated door.

## INSTALLATION

The FBLS is quick and easy to install with the FB intumescent fire block sitting between the two halves of the FDLS steel faced fixed louvre. It is designed for doors with a minimum thickness of 44mm. On Steel doors it will be necessary to install a reinforcing inverted channel at least at the bottom of the cut-out to support the FB intumescent block. There is no maximum door thickness.

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Fully tested louvre system for timber and steel fire doors, installed with confidence for over 20 years. Widest range of sizes available from stock, including 'full door'. Complete system including our unique intumescent block, and two heavy duty steel louvres.

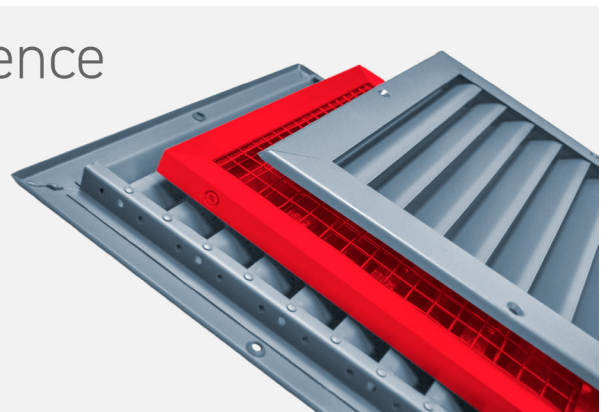
### All the features at a glance:

- Suitable for steel doors up to 240 minutes - To BS EN 1634-1:2014
- Suitable for 30 and 60 minute timber fire doors - To BS 476-22:1987
- Complete system - not just an intumescent block
- Heavy duty steel louvres
- Over 25 sizes from stock available immediately
- 'Full door' sizes available (steel doors only)
- Non-vision for privacy
- 40% free area allowing good bi-directional air flow
- Suits doors of 44mm minimum thickness - no maximum thickness

**20** installed with confidence  
for over  
years

FBLS  
Fire Block Louvre System

Fully tested air transfer grilles



# FBLS

## FIRE BLOCK LOUVRE SYSTEM

FBLS is a  
**Complete System**

FDLS Louvre + Unique Intumescent **Fire Block**



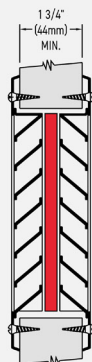
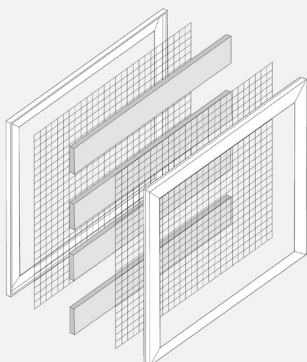
### FIRE TESTED FOR STEEL DOORS

Following successful fire testing, the FBLS system has been assessed by Warringtonfire for four hours integrity in accordance with BS EN 1634-1:2014. Up to maximum cut-out sizes of 660 x 660mm and 483 x 1676mm (width x height), on previously successfully tested steel based fire resisting doorsets. The previous test must have incorporated an alternative louvre or glazed aperture of the appropriate dimensions (i.e. at least equal to those of the proposed louvre). A copy of assessment report 508671 is available upon request.



### FIRE TESTED FOR TIMBER DOORS

The FBLS system has been assessed by Warringtonfire for use on previously successfully tested timber based fire resisting doorsets, to provide a period of fire resistance of up to 30 or 60 minutes in accordance with BS 476-22:1987 up to maximum cut-out sizes of 610x610mm and 457x762mm (width x height). The previous test must have incorporated an alternative louvre or glazed aperture of the appropriate dimensions (i.e. at least equal to those of the proposed louvre). Copies of WF Report No. 146937 and WF Report No. 356249 available on request. The louvres must be installed so that the top of the louvres are less than 1000mm above the doorset, and the aperture should be lined with Zero FS4004 1.6mm thick intumescent aperture liner, which should be ordered separately. No hardwood lipping is required. NOTE - This system can be used in steel doors to BS 476-22:1987 if required. Please call for details.



**Timber**  
Fire Doors

**60** up to  
minutes

BS 476-22:1987

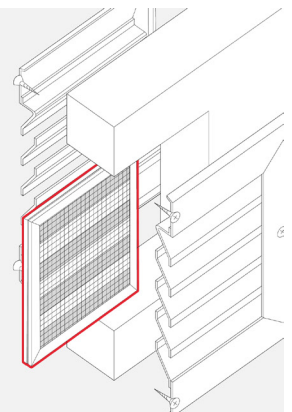
Max Size  
**457 x 762** mm  
or  
**610 x 610** mm

**Steel**  
Fire Doors

**240** up to  
minutes

BS EN1634-1:2014

Max Size  
**483 x 1676** mm  
or  
**660 x 660** mm



SPECIALIST ARCHITECTURAL  
HARDWARE SUPPLIERS TO  
THE DOOR OPENINGS INDUSTRY



Raising Standards  
Safety Assured



Cert No. 51091



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