

## Fire Doors

Endurance Fire doors **are FD30S rated** and have been tested to withstand fire and smoke for a minimum of 30 minutes and **only available in the McKinley style.**

**When installing the Endurance Fire Door, the process of fitting the frame should follow the Endurance single door with the following, additional measures.**

### Fixing

SFS 7.5mm x 122mm dome head fixings must be used – these are supplied with the door set.

### Wall Type

The Fire door set must be installed into wall with at least 30-minute fire resistance. The walls must be of Brick, Block, Timber or Steel stud construction and be of a minimum 85mm thickness.

### Certification

Information relating to the testing certification is included within the packaging, this should be left with the customer, additional labelling is attached to the hinge side of the door slab and must be left in place, this will give important information to anyone carrying out future Fire Door Inspections at the property.

### Door Closer

The door closer supplied with the fire door must be fitted in accordance with the manufacturer's instructions which are supplied in the box, the closing speed and strength should be adjusted to ensure the door closes and latches fully and the slab shuts tight against the smoke seals, closing speed should be between 20-30 seconds from fully open, the door must be checked for operation from a range of opening angles.

### Gaps

The gaps around the slab should be a constant 4mm +/- 1mm, any gaps outside this range are non-compliant as the intumescent strips and smoke seals may not perform as intended in the event of a fire.

### Alterations

No alterations or modifications including the addition of glazing panels or air transfer grilles are permitted and will render the door non-compliant, no alterations are permitted to the sizing of the slab or frame.

Intumescent tape must not be removed from any part of the door slab or frame including the low aluminium threshold.

### Sealing

Gaps of between 7mm – 30mm must be filled using minimum 30-minute fire rated foam, the door frame and/or any finishing trims should be sealed with intumescent caulk, 3 tubes are supplied with each door.

If gaps of greater than 30mm exist between the door frame and substrate, specialist advice should be sought prior to installation to ensure correct compartmentalisation is maintained.

### Further Guidance

Further information can be found from the following documentation:

#### **BRITISH STANDARDS DOCUMENT BS8529**

The Building Regulations Approved Document B (Appendix C relates to Fire door sets)