

# Smart Superthermic Insulated Bi-Folding Doors

## Folding Door Without Bottom Track



### Product Features & Benefits

- Opening to one or both sides in sizes up to 5.7m wide x 5m high
- High wind resistance performance to Class 3
- High thermal insulation 1.53 W/m<sup>2</sup>.°K using our Superthermic panel
- Simplistic exclusive top rail hung system in galvanised steel (patent pending) requiring only 150mm of headroom opening to 90° or 180°
- Range of 3 standard colours pre-coated stucco embossed steel (see overleaf)
- Full range of windows (see overleaf)
- Integrated full width of panel wicket door with or without threshold with a range a operating security and fire escape hardware
- Manual or electric operation with security shoot bolts
- Bi-parting doors are at least twice as fast as conventional vertical rising doors
- Door CE marked
- No ground track
- Fully adjustable top track, leaves, hinges and bottom seal ensures quick installation times with perfect sealing on all sides
- Typical installation time for a 4m x 4m manually operated door: 4 hours



**Windows**

Can be inserted in every leaf of the door; the dimensions can be customised according to the size of the door leaves.

**• Rubber**

Made with black EPDM frame, rounded corners (radius approx. 130mm) which makes it possible to insert safety glass up to 10mm thick



**• Aluminium with thermal break**

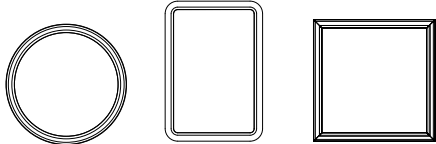
Manufactured from an aluminium profile with 90° mitred corners, frame allows for safety glazed glass up to 40mm thick. Available in any geometric shape.



*On request, special glass with “low U-values” can be fitted to ensure compliance with relevant building control requirements.*

**• Dimensions**

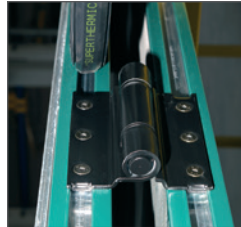
As standard the following window sizes are available using 8/9mm safety glass. On request special glass with low U value, Georgian wired, double glazed can be used to ensure building control compliance.



- ø 530mm
- 500 x 600mm
- 500 x 800mm
- 580 x 880mm
- 700 x 700mm
- 700 x 1,000mm
- 700 x 1,500mm
- 700 x 2,000mm

**Concealed hinges\***

Manufactured from galvanised steel, painted black, with ball bearings. The exclusive concealed hinge system provides the door with greater aesthetics and improved security. The hinges are fixed to the load-bearing frame by means of an adaptor plate, perfectly hidden in the seals of the door (patented system).  
\*Not on EXIT door



**Locking System**

Galvanised and powder coated black handle operates the galvanised vertical rods that secure the door when closed. This can be fitted with an external handle, cylinder and key for external access on request.



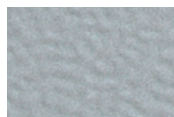
**Finishes**

The panel is available in 3 stucco embossed pre-coated steel colours as shown below.

**Smart Colours**



Embossed Off White RAL9002



Embossed Grey RAL9006



Embossed Green RAL6005

**Application**

External  
Internal

**Arrangement**

2+2, 2+1, 2+0, 1+1 door leaf configuration

**Size range**

Max. Width 5,700mm  
Max. Height 5,000mm  
(subject to application)

**Operation**

Manual (Standard)  
Electric (Optional)

**Speed**

(dependant on size)

200mm per leaf with 240v single phase drive

**Emergency Opening**

Standard

**Curtain**

55mm thick high density foam filled twin skin steel panel

**Wind load resistance**

EN12424 – Class 3 – 110km/h

**Mechanical Compliance**

BS EN12604

**Safe Use Of Power Operated Doors**

BS EN12453

**Safety Equipment**

DIN EN13241 – 1

**Sound Insulation**

22dB



Easily adjustable top tracks ensures a perfect seal top and bottom



Shoot bolt locking top and bottom



Bottom fixing plate with lateral adjustment



Full width of panel wicket door with emergency escape hardware and combined leaf locking mechanism