

# Librum Superthermic Insulated Bi-Folding Doors

## Sliding / Folding Door With Bottom Track



### Product Features & Benefits

- Opening to one or both sides up to 50m wide x 10m high
- High wind resistance performance to Class 4
- High thermal insulation 1.53 W/m<sup>2</sup>.°K using our Superthermic panel and 1.15 W/m<sup>2</sup>.°K using the ISOMAX panel
- Simplistic top rail hung system in galvanised steel requiring only 150mm of headroom on doors up to 30m<sup>2</sup> and 300mm over 30m<sup>2</sup>
- The pre coated steel skins are available in 8 standard colours with optional painted finish (see overleaf). Aluminium panels are available on request
- 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
- Automated doors with safety edge and photocell available
- Heavy duty ground track supplied
- Fully adjustable top track, leaves, hinges and bottom seal ensures quick installation times with perfect sealing on all sides



**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**

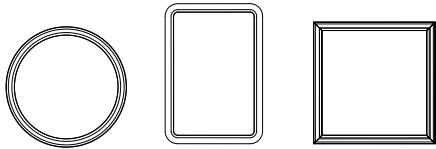
Manufactured from an aluminium profile with 90° mitred corners, frame allows for safety glazed glass up to 40mm thick. Available in any geometric shape.



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

**• Dimensions**

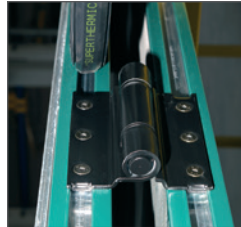
As standard the following window sizes are available using 8/9mm safety glass. On request special glass with low U value, Georgian wired, double glazed can be used to ensure building control compliance.



- 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**

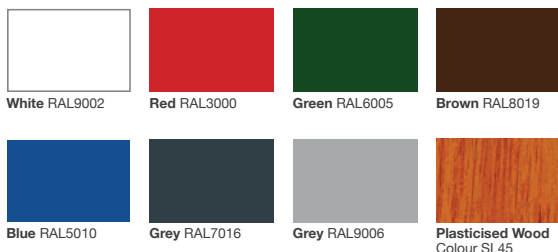
Galvanised and powder coated black handle operates the galvanised vertical rods that secure the door when closed. This can be fitted with an external handle, cylinder and key for external access on request.



**Finishes**

The panel is available as standard in 8 standard pre-coated colours as shown below. Other finishes are available at extra cost including HPS200 and painted finishes to a RAL colour of your choice.

**Standard Colours**



**Application**

External  
Internal

**Arrangement**

Max 24+24 configuration

**Size range**

Max. Width 50,000mm  
Max. Height 6,000mm using 55mm thick panel  
8,000mm using 65mm thick panel  
10,000mm using 80mm thick panel  
(subject to application)

**Operation**

Manual (Standard)  
Electric (Optional)

**Speed**

(dependant on size)  
200mm per leaf with either 240v single phase or 415v three phase, earth and neutral motor and traction chain drive.

**Emergency Opening**

Standard

**Curtain**

55mm, 65mm & 80mm thick high density foam filled twin skin steel panel with concealed hinge system are used subject to height of door

**Wind load resistance**

EN12424 – Class 4 – 140km/h

**Mechanical Compliance**

BS EN12604

**Safe Use Of Power Operated Doors**

BS EN12453

**Safety Equipment**

DIN EN13241 – 1

**Sound Insulation**

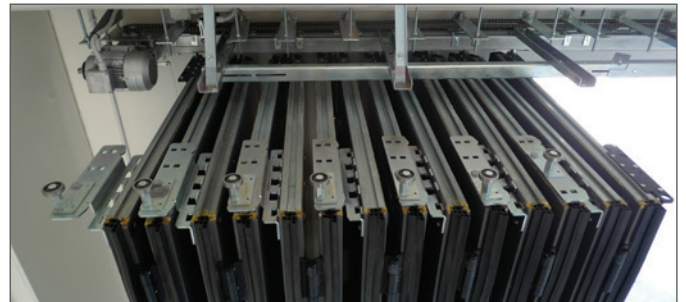
22dB



Special applications



Optional glazing



Door leave stacked at 90° to the opening and held in position by the slim-line top track