Liber Superthermic Insulated Bi-Folding Doors
Folding Door Without Bottom Track

Product Features & Benefits

• Opening to one or both sides with varying leaf configurations to suit openings up to 12m wide x 6m high

• High wind resistance performance to Class 4

• High thermal insulation 1.53 W/m².˚K using our Superthermic panel and 1.15 W/m².˚K using the ISOMAX panel

• Simplistic top rail / side hinged system requiring only 150mm of headroom opening to 90 or 180˚

• 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 wicket door with or without threshold with a range a operating security and fire escape hardware

• Manual or electric operation with interlocked security shoot bolt

• Door CE marked

• Automated doors with safety edge and photocell available

• Fully adjustable top track, leaves, hinges and bottom seal ensures quick installation times with perfect sealing on all sides and no ground track
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.

<table>
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<th>ø 530mm</th>
<th>700 x 700mm</th>
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<tbody>
<tr>
<td>500 x 600mm</td>
<td>700 x 1,000mm</td>
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<tr>
<td>500 x 800mm</td>
<td>700 x 1,500mm</td>
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<tr>
<td>580 x 880mm</td>
<td>700 x 2,000mm</td>
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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 painted finishes to a RAL colour of your choice.

Standard Colours

Application
External
Internal

Arrangement
Max 4+4 leaf configuration

Size range
Max. Width 12,000mm
Max. Height 6,000mm
(subject to application)

Operation
Manual (Standard)
Electric (Optional)

Speed
200mm per second with 240v single phase drive

Emergency Opening
Standard

Curtain
55mm thick high density foam filled twin skin steel panel with concealed hinge system

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

Easily adjustable fitting brackets make adjustments easy and sealing perfect

Motor with exclusive traction arm system, 240v motor with manual override in the event of power failure

Locked shoot bolt

Integrated shoot bolt and wicket door keep