

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

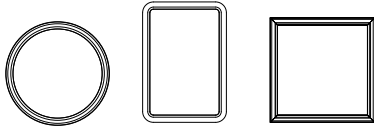
Manufactured from an aluminium profile with 90° mitred corners, frame allows for safety glazed glass up to 40mm thick. Available in any geometric shape.



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

• Dimensions

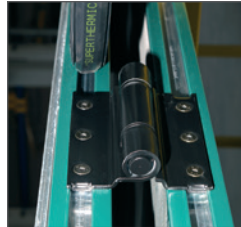
As standard the following window sizes are available using 8/9mm safety glass. On request special glass with low U value, Georgian wired, double glazed can be used to ensure building control compliance.



- 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

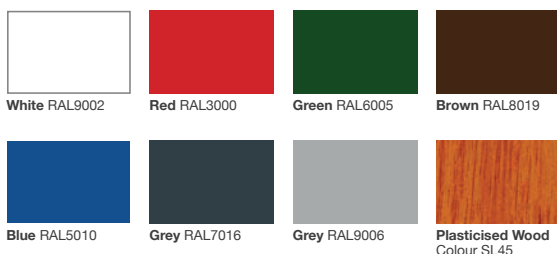
Galvanised and powder coated black handle operates the galvanised vertical rods that secure the door when closed. This can be fitted with an external handle, cylinder and key for external access on request.



Finishes

The panel is available as standard in 8 standard pre-coated colours as shown below. Other finishes are available at extra cost including 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

(dependant on size) 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

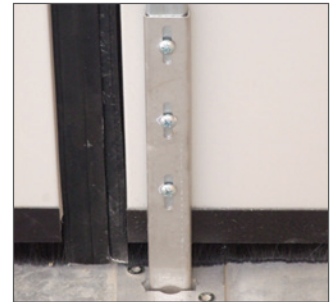
DIN EN13241 – 1

Sound Insulation

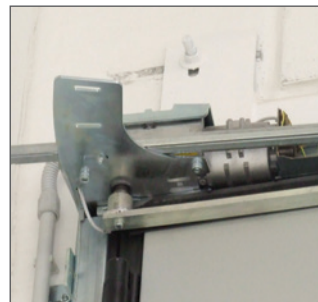
22dB



Easily adjustable fitting brackets make adjustments easy and sealing perfect



Locking shoot bolt



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



Integrated shoot bolt and wicket door keep