



Bolton Gate Company

INSULATED BI-FOLDING DOOR - THERMAFOLD 1000

Insulated Bi-Folding Door

Data Sheet ref. Thermal 2

June 24



INSULATED BI-FOLDING DOOR - THERMAFOLD 1000

SPECIFICATION SUMMARY

Providing thermal resistance of $1.8 \text{ w/m}^2\text{K}$, the Bolton Gate Thermafold 1000, insulated folding door is ideally suited for structural openings where a reduction in thermal transmission is required.

The flat faced panel construction provides a robust, yet aesthetically pleasing appearance capable of withstanding high wind load conditions.

Each Thermafold 1000 is bespoke and manufactured to order allowing significant flexibility when developing product specifications. With either manual or electric operation the floor mounted pivot arrangement removes the need for a recessed floor track to span the opening.

The energy saving option of an integrated wicket door can be incorporated allowing access to authorised personnel without the need to open the full door.

Applications Include:-

The Thermafold 1000 has been specified for many different applications such as factory loading bays, warehousing facilities, hangars and boat yards but also school service entrances, bus depots, ambulance and fire stations.

For larger applications, please also consider the Thermafold 2000 which is suitable for openings of up to 24m in width. Please refer to the separate data sheet or speak with our sales team.

Performance Characteristics:

Thermal Resistance: $1.8 \text{ w/m}^2\text{K}$
Resistance to Windload: Class 5

Key Attributes:

Thermal resistance helping to reduce potential for heat loss.
Wind load capabilities.
Robust, hard wearing, secure construction.
Manual operation or electric options.
Bespoke British design, manufactured in the UK to suit our Client specifications.





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Top Hung Insulated Folding Door

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Operation

The doors are manually operated as standard and this includes internally mounted espagnolette locking.

The electric option includes a 230volt nominal single phase motor mounted at high level on each door leaf.

A specialist control panel is provided to ensure both sides operate simultaneously this includes integrated open/close/stop push buttons and is mounted adjacent to the opening.

A manual disconnection device is provided to allow emergency manual operation in the event of power failure.

A wide range of control options to suit the site specific requirements can be facilitated by the control panel including radio control, proximity readers, photocells, loops and timers etc.

Arrangement

The standard arrangement comprises a pair of door leaves each with two panels. The door leaves fold back to the jambs and bunch at 90°, perpendicular, to the opening.

With bespoke construction, other arrangements can be fabricated including fixed side and head panels – please contact the Sales Department to discuss.

Panels

The panels are constructed from rolled steel hollow sections with 2mm thick flat galvanised steel facing sheets. The panels are each filled with a high density, thermal insulation material and have an overall thickness of 64mm.

Seals

Brush strip is mounted at the top and lower edge of the door panels and a heavy duty rubber seal is mounted to full height between each panel.

Tracks

The Thermafold 1000 is designed to be operated without a bottom track allowing a continuous floor surface. Heavy duty floor mounted bearings support the weight of each half door.

A compact 54 x 42mm top guide track keeps headroom requirements to a minimum.

Finish

The standard door finish is galvanised. Polyester powder coating in a wide range of RAL colours is available as an optional extra.

Maximum Size

6000mm clear with x 6000mm clear height

Larger openings can be accommodated by incorporating matching fixed over panels or side panels or even by upgrading to the heavier duty Thermafold 2000.

Weight

Approximately 50kg per m² albeit this may vary dependent on the door width and height.

Options

Manual operation in lieu of electric operation.

Polyester powder coating in a range of standard colours.

Wicket door complete with hardware.

Vision panels.

When electric, a wide range of control options including:-

- Digi-pad access
- Remote control fobs
- Photocells
- Wireless safety edges
- Light curtains
- Timer delay closing
- Radar monitoring
- Pressure mats / Loop detectors

To specify this product please state:

Insulated Folding Door - Thermafold 1000 shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

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