

INSULATED FOLDING DOOR - THERMAFOLD 2000

Top Hung Insulated Folding Door

Data Sheet ref. Thermal 3

January 24



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SPECIFICATION SUMMARY

Providing thermal resistance of $1.8 \text{ w/m}^2\text{K}$, the Bolton Gate Company Thermafold 2000, insulated folding door is ideally suited to the closure of 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 2000 is bespoke and manufactured to order allowing significant flexibility when developing product specifications. The top hung arrangement allows the Thermafold to be provided on openings up to 24m in width and can be supported by a wide array of operating controls and safety devices.

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 2000 has been specified for many different applications such as factory loading bays, warehousing facilities, hangars and boat yards doors but also school service entrances, and bus depots.

For smaller applications, please also consider the Thermafold 1000 with it's compact side hung arrangement. 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 heat loss.

Wind load capabilities.

Robust, hard wearing, secure construction.

Bespoke British design manufactured in the UK to suit our Client specifications.

Operation

The doors are electrically operated as standard using a 400volt nominal , 3 phase direct drive motor mounted on the top track.

Emergency hand chain operation with low level engagement is provided with the motor.

A control panel with integrated open/close/stop push buttons is positioned adjacent to the opening at the bunch side.

A wireless safety edge is mounted to the front edge of the leading panel (s).

Arrangement

The standard arrangement is for the Thermafold 2000 to be face fixed internally but there is also the option of mounting between the jambs.

The doors can be single (bunching to one side) or bi-parting.

Panels

The panels are constructed from rolled steel hollow sections with 2mm thick flat galvanised steel facing sheets.

The panels are filled with a high density, acoustic dampening, insulation material and have an overall thickness of 64mm.

Hinges / Guide Pins

The panels are connected using heavy duty hinges arranged at the top, bottom and intermediate positions.

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 door panels are top hung on four wheel type bearing hangers which incorporate the panel hinges and run in a galvanised steel top track. An auxiliary top track is attached to allow the panels to fold correctly.

A steel channel bottom track is provided and set for alignment within a 200 x 75mm chase before final grouting into position. The unique profile of the bottom track both assists weather sealing whilst providing the necessary level threshold.

Finish

The majority of parts are galvanised with other components prime painted. A polyester powder coat finish to a range of standard RAL colours is available as an extra option.

Weight

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

Sizes

Single:	12m clear width x 8m clear height
Pair:	24m clear width x 8m clear height

Options

- Integrated wicket door complete with hardware.
- Polyester powder coat finish to a single RAL colour.
- A wide array of control and safety equipment such as light curtains, radar, pressure mats, remote controls—please discuss with our sales team.
- Double glazed vision panels of varying sizes.

To specify this product please state:

Insulated Folding Door - Thermafold 2000 shall be by Bolton Gate Company Ltd, Waterloo Street, Bolton BL1 2SP, UK

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