



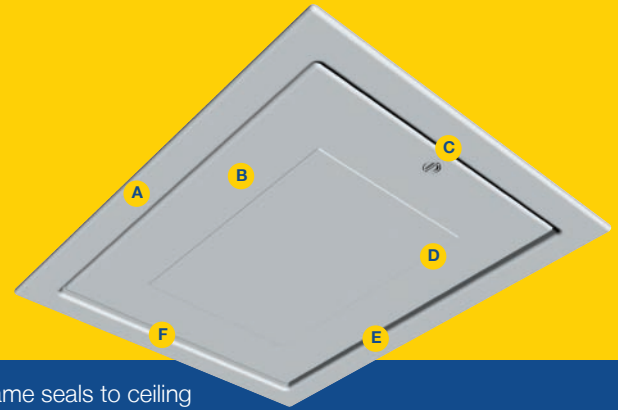
loft doors and access panels

including fire rated access panel range



loft doors

the range of loft doors
from Manthorpe



Manthorpe has developed a range of loft doors to satisfy both the requirements of the building industry bodies and the practical and aesthetic criteria of the housebuilder and homeowner.

- A Frame seals to ceiling
- B Thermally insulated lid
- C Secure catches to ensure draught sealing and to prevent wind uplift
- D Easy-clean textured finish
- E Pre-formed frame and fixing screws provided
- F Foam compression seal for draught free fitting

All Manthorpe loft doors have catches to prevent wind uplift, are fully insulated and are draught sealed. Versions are available which meet the specific criteria of the robust details document and the Part L building regulations regarding thermal efficiency for new buildings. All doors have a white, easy to clean, finely textured finish and classic design to suit all decors.

For fire rated applications Manthorpe can offer loft doors which include all the standard features and benefits of the range plus an hour-long fire rating.

To complement the range of access doors, two and three-part loft ladders are also available.

Air leakage

Manthorpe Loft Doors, **GL250-03**, **GL280F** and **GL270F**, meet the requirements of the BS 9250:2007 Code of Practice for design of the air tightness of ceilings in pitched roofs. The air leakage rate through the loft hatch and frame, when tested to BS EN 13141-1:2004, is less than 1.0m³/hr at a pressure difference of 2Pa and therefore conforms to the BS 5250: 2002 Code of Practice for the control of condensation in buildings (incorporating Amendment No.1 2005) 8.4.1.2, Air tightness of sloping and horizontal ceilings.

Manthorpe Loft Doors have also been tested and meet the requirements of the Building Regulations 2000, Conservations of Fuel and Power in New Dwellings part L1A 2006 as well as the reasonable limit for the design air permeability of 10m³/(h.m²) at 50Pa. BRE Tests 231-637 and 233-677.

Insulation

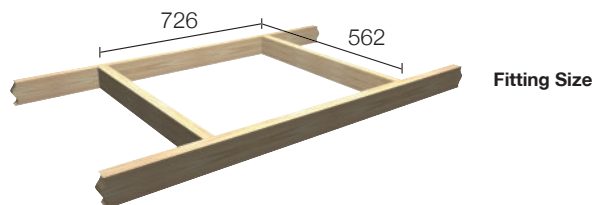
The insulation used in all Manthorpe loft doors has an Ozone Depletion Potential (ODP) of zero and a Global Warming Potential (GWP) of less than 5.

Loft Doors

GL250-03 Manthorpe Drop Down/Lift Out Access Door



GL250-03 Manthorpe Drop Down/Lift Out Access Door



Manthorpe's best selling **GL250-03 Drop Down/Lift Out Access Door** has a twist action catch which engages the frame in three locations to provide a secure, draught-sealed fit.

A pole attachment is supplied for opening the door from floor level. If required, the door can be removed completely.

Doors can also be supplied with insulation material which is compliant with Part L regulations to a rating of $0.35\text{Wm}^2\text{k}$.

The **GL251-03 Lockable Door** has all the benefits of the standard drop down door and is especially suitable for accommodation which has shared loft space.

Part L

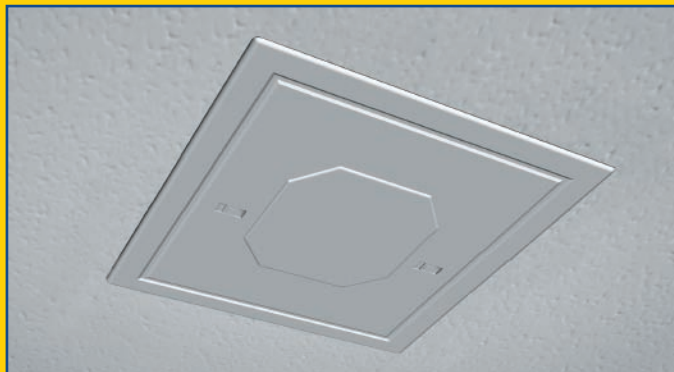
Manthorpe's Part L compliant doors are denoted with the suffix L after the reference code, e.g. **GL250-03L**.

Fire Doors

For added safety and to comply with regulations regarding premises over two storeys, garage spaces, public buildings, etc. Manthorpe can provide one-hour fire rated doors. Produced with the same aesthetic design of the standard range, Manthorpe fire doors are manufactured from powder-coated mild steel.

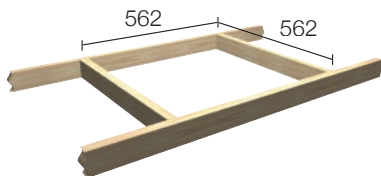
Both rectangular and square drop-down versions are available with an hour long fire rating certified by Chiltern International Fire Ltd.

GL260 Manthorpe Push Up Loft Doors



Fire Rated Loft Doors

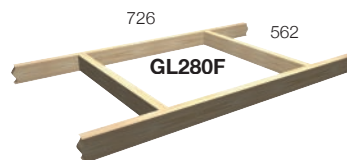
GL270F/GL280F Manthorpe Drop Down Loft Door
– 1 Hour Fire Rated



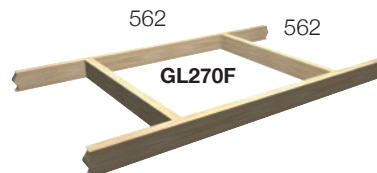
Manthorpe's **GL260 Push Up Loft Doors** with their fully removable lids, have a double catch feature which holds the doors in position to prevent moist air entering the roof space.

Manthorpe also provides a lockable model of the Drop Down Door, the **GL261**. This version is supplied with a Euro Cylinder Lock.

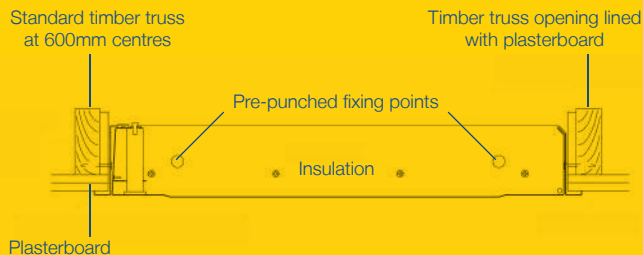
GL280F opening dimensions between trusses
726mm x 562mm.
Opening dimensions after plasterboard cladding
706mm x 542mm.



GL270F opening dimensions between trusses
562mm x 562mm.
Opening dimensions after plasterboard cladding
537mm x 537mm.



Technical Details



Note: Trimmed opening needs to be lined with plasterboard in fire rated applications.

The **GL280F/GL270F Rectangular and Square Drop Down Fire Rated Access Doors** are designed to be flush fit to the ceiling and to fit between 600mm centre trusses.

Both fire doors are fitted with a catch lock as standard and are supplied with a 'T' key.

Versions with a Euro Cylinder Lock can also be supplied. The fire door range is also fully insulated with a fire retardant mat.

Manthorpe Fire Rated Access Doors have been tested at Warrington Fire Research Centre, report number 157180.

They have reached a level of fire resistance, utilising the general principles of BS476 part 22: 1987 on a specimen loft access door for a period of one hour.

Multi Section Loft Ladders

GL256/GL257



GL256/257 Multi Section Loft Ladders are a cost effective simple solution to loft door access when combined with Manthorpe drop down loft access doors.

The robust two or three section aluminium ladders are compact, lightweight and easy to fit.

The ladders are designed with deep non-slip treads, a metal safety catch preventing premature drop during sliding ladder operation, and rubber feet for extra stability.

A complete fitting accessory pack and fitting instructions are supplied with each ladder including an operating pole. **GL256** is a two section ladder and **GL257** comes in three sections.

Access Panel Range



For easy access to:

- Soil/Waste pipes
- Electric wiring systems
- Fuse boxes/Switches
- Controls/Connection links
- Valves/Stopcocks/Plumbing.

The product is lightweight, easy to fit and is manufactured from High-Impact Polystyrene (HIPS) allowing for a smooth textured finish to the panel which can be painted over if required. The **GL300** (pictured) also has a fully detachable door for ease and convenience.

In addition to the GL100 access panel, size 150mm x 200mm, Manthorpe produces a larger version, the GL300. This is available in 300mm x 300mm size.

Fire Rated Access Panels



Manthorpe's range of fire rated access panels, **GL150F**, **GL130F** and **GL450F**, provides various sizes of protected openings, in both ceilings and walls, giving access to building engineering services.

For easy access to: Controls, Valves, Electrical Wiring Systems and Fuse Boxes.

Each one hour fire rated access panel is fitted with a catch lock and a simple 'T' key is supplied. The door is finished in powder-coated white steel and can be over painted to blend with the surrounding surface.

The fire rated panel is a high quality, robust solution, suitable for everyday use, with all the discrete advantages required of an access panel.

The **GL151F**, **GL131F** and **GL451F** fire rated doors come complete with a more substantial Euro Cylinder Lock for additional security.

Fire rated panels need to be secured on all four sides and a protective layer of resistant board must be fitted around the perimeter of the frame.

the tile access panel

Providing access to hidden services while still preserving a quality, streamlined finish for use with ceramic tiles.



In many modern bathrooms and kitchens the streamlined effect of tiling is spoiled by a screwed-to-the-wall piece of plasterboard providing access to concealed services. The whole look of the room suffers, yet to date no real alternative has been available. Manthorpe has developed a revolutionary new product to solve this problem of access, without spoiling the finish of the tile work.



The **Manthorpe Tile Access Panel GLTAP-500** is quick and easy to fit. Its inclusion into the décor of the bathroom or kitchen ensures a seamless blend with the rest of the tiling. The overall look is preserved, and when access to services is required, a light touch releases a magnetic catch and the panel opens smoothly. The Tile Access Panel can be cut to fit the exact size needed, up to 465mm x 465mm.

Kit includes:

- 4 lengths of UPVC frame extrusion
- 8 high impact polystyrene corner support clips
- 1 fibre cement composite back board
- 2 magnetic touch latches
- Ceramic tiles not included.

Product Specification Guide			
Reference	Description	Material	Box Quantity
GLTAP-500	Tile Access Panel	Min. 150mm ² Max. 465mm ²	5
GLTAP-5CP	Tile Access Panel (without back board)	Min. 150mm ² Max. 465mm ²	5

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References:

Building Regulations 2002
Approved Document L1
Approved Document F2

DTLR
Robust Details

BRE
Thermal Insulation Avoiding Risks (BR262)

BS5250 Control of Condensation in Buildings

BS476
Fire Test on Building Materials and Structures

Manthorpe Quality

Manthorpe manufactures a range of ventilation and building products at its headquarters in Derbyshire, under an ISO9001 Quality Assurance Scheme.

All products are designed to comply with the relevant current Building Standards when fitted in accordance with the manufacturer's instructions.

The company maintains a policy of continuous development of its product range and reserves the right to amend the specifications without notice.

