

# Control of Condensation in Buildings

## Product Information Sheet

### Drop Down Loft Access Door - GL250

#### Description

The GL250 drop down loft door is an innovative solution to the need for energy efficient loft space access, offering a cost effective alternative to traditional roof space access. The unobtrusive design coupled with sleek, contemporary styling makes the door an ideal match for modern decors. The revolutionary design of the multi-point catch mechanism means that the GL250 door can maintain a more effective draught seal around the entire accessible opening, helping to meet the air leakage requirements and preventing the problem of moist warm air entering the roof space causing condensation and heat loss issues.



#### Features - Explained

Many drop down hatches suffer from 'sagging' over time, a problem that can cause the middle of the door to bow away from the draught seal, creating an air leakage path. To prevent this issue, the GL250 door has 12 independent catch points located around the perimeter of the frame, operated from a single position with a unique sliding mechanism.

With the sliding cover replacing a conventional twist action locking mechanisms on the door, all of the hinge, catch and fixing geometry has been carefully located outside of the draught seal, meaning that there are no holes through the door that could pose an air leakage risk. When the cover is located in the fully closed position it also completely conceals the hinge detail.

The positioning of the doors pivot point is intended to maximise the accessible area available to the user when the door is open and the pioneering hinge design allows for it to be fully removed from the frame quickly and easily for simpler installation and better access with larger insulation options.

The fixings for the frame also screw directly up into the ceiling for easier installation, also providing pressure in the optimum direction for the frame to ceiling seal.

The back of the door panel has been optimised to increase the amount of space available for insulation, allowing the 50mm of expanded polystyrene to cover a greater area within the structural opening to create a better thermal barrier.

## Product Specifications

- **Colour** - White
- **Packing Details** - Individually packaged in a polythene bag and cardboard box
- **Box Weight** - 4.85 kg
- **Material** - High Impact Polystyrene
- **Manufacturing Process** - Injection Moulded
- **Draught Seals** - Expanded Polyurethane
- **Insulation** - 50mm Expanded Polystyrene

## Features – Overview

- Door and frame are fully draught sealed.
- Seals supported by 12 perimeter catches.
- Sliding door catch operated from a single point.
- All hinge, catch and fixing geometry is located outside of the seal, providing no air leakage paths.
- Hinge detail hidden when door is locked.
- Hinge pivot is positioned to maximise opening
- Innovative design of the hinge makes the door fully removable in seconds.
- Screws fix up into timbers, for fast and simple installation and optimum pressure on frame seal
- Fully insulated door panel.

