



Fibreglass Door Technical Information

IDM Doors Ltd Data Sheet 5

GENERAL

- Range of door styles may be produced as illustrated in the latest edition of our brochure.
- Fibreglass-faced, SMC (Sheet Moulded Compound) composite door leaf of nominal 44mm thickness.
- May be hung in 60mm or 70mm Pvc-U or Timber outer frames.
- Low maintenance and high performance.

Door Leaf Fibreglass Facing

- Nominal 2mm thickness both sides of door.
- Compression moulded SMC to various door embossment patterns.
- Smooth or grained surface finish.
- No site finishing required.
- Low maintenance; wipe down with soft cloth and warm water to clean.
- UV stable through-colour options; White; Red; Blue; Green (All with White internal face).
Fibreglass is also available in a buff finish for painting or staining on site by others.

Sub-Frame System

- Composite construction engineered sub-frame
- Laminated PVC-U profiles to outer edge laminated to timber inner frame

Core Insulation

- Injected polyurethane foam – CFC free

GLAZING SYSTEM

Cassette Glazing

- Cassette glazing system
- Pre-glaze with 26mm thickness double-glazed units
- Full range of cassette designs available

HARDWARE

Locks

- Leaf will accept virtually all multi point locking systems
- Compatible with most traditional hardware layouts



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Hinges

- Standard steel butt hinges.
- 3D adjustable hinge systems.
- Face-fix hinge hinges.

Compatible with virtually all standard hardware systems

MANUFACTURING SIZES

Range of standard sizes and trimable options available.

PRODUCT WEIGHTS (Nominal)

Product	Leaf	PVC-U Doorset
Solid	30kg	45kg
½ glazed	35kg	50kg

NOTE: Weights shown provide guidance for handling and may vary due to the wide variety of specification options available

STANDARDS

Building Regulations Part M

- Compatible with Part M compliant Thresholds
- Sizes available to provide 775mm clear openings for wheelchair access

Building Regulations Part L

- When our maximum half glazed cassette is used the glass is still below 50% of the door area and as such does not need to be considered under this regulation. However the door will still comply.

DOORSET U-VALUE

- Maximum doorset U-value: 2.0 W/m²K
(Half glazed layout, which is achieved without Low-E glazing).