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## Fibreglass Door Technical Information

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### **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.
- Density 2000kg/m<sup>3</sup>
- Compression moulded SMC to various door embossment patterns.
- Grained surface finish.
- No site finishing required, though some colours and glazing beads may not match and different materials have different colour fastness. Check our data sheets for further information.
- Low maintenance; wipe down with soft cloth and warm water to clean.
- Standard colour options; White; Red; Blue; Green (All with White internal face). Fully painted bespoke colours also available.

#### **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 24mm 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: 1.8 W/m<sup>2</sup>K  
(Half glazed layout, which is achieved without Low-E glazing).