

## DATA SHEET

### MAIN FEATURES

- **A versatile and robust commercial door system that can be**
  - Hinged
  - Floor sprung (pivot door)
  - Hung on concealed transom closers (pivot)
  - Sliding - stacking on multiple tracks (with bottom rollers)
  - Sliding - top hung
  - Bi-fold
- **Magnum commercial doors have been designed to meet contemporary demands for advanced locking capability, including card and magnetic lock entry, as well as suitability for mainstream heavy duty commercial and residential locks.**
- **Different rails, stiles and glazing bead options cater for different aesthetic effects and wind pressures.**

### COMPATIBILITY

The Magnum door system is fully compatible with the 40mm Series, 80mm and 100mm Shopfronts and the 100mm & 135mm Flushglaze system, Structural Glaze systems and residential framing.

### FRAME TYPES

**Hinged Door Facing Frame** (08001) with 25mm of weather cover.

**Hinged Door Shopfront Frame** uses transoms and mullions from either the 80mm or 100mm Shopfront systems.

**Hinged Door Flushglaze and Structural Glaze Frame** uses transoms and mullions from the 100mm and 135mm

**Flushglaze and Structural Glaze** system with (08044) head and jamb adaptor.

**Hinged Door 40mm Frame** uses frames and mullion from the 40mm window series with (08043) head and jamb adaptor.

**Sliding Door Frame** uses (08051) guide at head with (08054) track and (08050) top guide mounting bracket. Can be incorporated into Shopfront, 40mm and Flushglaze and Structural Glaze systems.

### STILES

Bead glazed to a maximum of 14mm single glazing and to a maximum of 24mm double glazing.

**Hinged / Sliding Stiles 50mm** (08003) and 93mm (08013 / 08014).

**French Door Meeting Stiles 50mm** (08008 / 08009) and 93mm (08015 / 08016).

**Sliding Door Meeting Stiles** (Four Panel Jointers) 50mm (08007 / 08008), heavy duty 50mm (08007 / 08009), 93mm (08017 / 08018), heavy duty 93mm (08017 / 08019).

### RAILS

Bead glazed to a maximum of 14mm single glazing and 24mm double glazing.

**Top / Bottom Rail - Wide** (08024).

**Top / Rail - Narrow** (08025).

**Rail Extender** (08027) for deepening bottom rails.

**Vision Rails 50mm** sloped (08031), 50mm square (08032), 74mm sloped or square custom made rail using vision rail cap (08033) with solid panel infill.

### GLAZING BEADS

**Sloped** (08021) as standard for single glazing.

**Square** (08022) to achieve a strong solid look.

**Double Glazed** (Flat / Flush) (08638) where double glazing is used.

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### **CURVING**

Altherm™ has a range of Magnum door extrusions that can be curved to suit most requirements.

### **FINISH / COLOUR**

**Powder Coated** in a wide range of colours.

**Anodised** silver or bronze as standard, 20 micron thickness. Other colours and thicknesses available.

### **GLASS**

Single glazing to a maximum of 14mm is possible or double glazing to a maximum of 24 mm. Glass thickness and type to be used in doors is covered by the Human Impact Safety Requirements of NZS 4223. For glass panels over 0.5m<sup>2</sup> Grade A safety glazing must be used.

The full range of glass types can be included in this product. For further information consult your local Altherm™ manufacturer.

### **PERFORMANCE**

Commercial window applications often require project specific testing. Consult your Altherm™ manufacturer for further information and costs.

### **SIZES**

**Hinged:** For glazed hinged doors a maximum height of 2700mm and width of 1000mm is recommended for 'very high' wind zones. Larger doors may be possible in lower wind zones. For doors over 2400mm in height three point locking will be required.

**Sliding:** For glazed sliding doors a maximum height of 2700mm and width of 2400mm is recommended for 'very high' wind zones. Larger doors are possible in lower wind zones.

**Bi-Fold:** Panel sizes up to 2700mm high are possible with maximum sizes dependent on the capacity of the bi-fold roller system used.

### **HARDWARE**

Magnum hinged doors can accept the full range of commercially available lever handle and mortice lock sets, including the Miro™ range, or card and magnetic lock entry systems. Magnum sliding doors are available with a wide range of handle and lock options, including the Miro™ standard and large handle. Ask your Altherm™ manufacturer about the styles and surface finishes available.

Flush bolts can be fitted in the leading edge of the lazy side door on paired hinged doors. Available in black or can be colour matched to the joinery when specified.