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## MODEL SA7000 SPECIFICATIONS

### ALUMINUM DOOR

#### DOOR SECTIONS

Constructed from 45mm (1 3/4") thick 6063-T54 aluminum alloy.

#### **Frame:**

Material thickness of top rail, bottom rail, end stiles and intermediate stiles 1.8mm (.071") (3mm (0.118") at fastener locations). Top rail height 44mm (1 3/4") overall. Bottom rail height 50mm (2.0") overall. Combined height of meeting rails 94mm (3 3/4"). Intermediate stiles 60mm (2 3/8") wide. Standard single end stile and bottom-most rail 99mm (3 15/16") wide.

Optional double end stile with matching bottom-most rail 162mm (6 3/8") wide. Material thickness of double end stile/bottom rail 2.0mm (0.078"); 3mm (1/8") at fastener locations. Door framework to provide a shelf 16mm wide (5/8") for glass or aluminum panels to rest.

#### **Aluminum Insert Panel:**

Aluminum Alloy 5005 H4 1.27mm (.050) thick aluminum anodized sheet material sealed to door frame with butyl tape and held fast with rigid PVC snap in mouldings.

#### **Finish:**

##### Standard

#17 clear anodized Architectural Class II and is in accordance with AA-M12C22A31 (Aluminum Association) specifications.

##### Optional

White Acrynar coatings UCFX12428 meet AAMA 2604 specification.

Black Duranar coatings UC40577 meet AAMA 2604 specification.

All other colours available in a powder coated process.

#### **Glazing:**

Any or all sections can accommodate aluminum panels as well as single and sealed glazing materials up to 16mm (5/8") thickness. Suggested glazing types include, 3mm (1/8") single glass/acrylic/polycarbonate. 6mm (1/4") single glass/acrylic/polycarbonate. 16mm (5/8") sealed glass/Thermoclear® etc. NOTE: Sealed acrylic or polycarbonate not available.

All glazing materials sealed to door frame with butyl tape and held securely with rigid PVC snap in mouldings.

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## **HARDWARE**

### **Tracks:**

50mm (2") or 75mm (3") Z275 (G90) galvanized steel. Material thickness 1.6mm (0.062") or 1.9mm (0.075") for 50mm track and 2.7mm for 75mm track. Vertical tracks to have a graduated slope. Vertical tracks to be bracket mounted 2.7mm (0.104") or continuous angle mounted 2.2mm (0.087") and fully adjustable. Horizontal track to be adequately reinforced with formed galvanized steel C channel.

### **Door Face Hardware:**

Graduated edge hinges and centre hinges Z275 (G90) galvanized steel. Heavy duty rollers with heat-treated inner and outer races with 10 floating ball bearings.

### **Strutting:**

Doors over 11'-0" in width shall be reinforced with 16Ga galvanized steel "Z" brace per section.

### **Counterbalance System:**

Class II oil tempered ASTM A229 wire 10,000 cycle torsion springs (long-life springs of 25,000, 50,000, or 100,000 cycles may be specified and are recommended for high usage doors, when available). Cable drums and spring fittings will be made of die-cast high-strength aluminum. Continuous steel shaft (solid or tubular shaft as required by door size and operation). Galvanized lift cables with a minimum safety factor of 7 to 1.

### **Locking:**

Interior mounted slide bolt suitable for pad locking.

### **Section Interface Weatherstrip:**

Arctic grade Durometer 65 vinyl bubble shaped weatherstrip at all section meeting rails fits into integral retainer.

### **Bottom weatherstrip:**

U type arctic grade Durometer 65 vinyl fits into integral bottom retainer.

### **Jamb mounted weatherstrip:**

Anodized, painted aluminum or painted steel with two point flexible arctic grade vinyl weatherstrip.

### **Header mounted weatherstrip:**

Anodized, painted aluminum or painted steel with two point flexible arctic grade vinyl weatherstrip.

### **Operation:**

Manual. Optional hand chain hoist (3-1 ratio) or optional electric operator.

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