



SPECIFICATIONS MODEL SA6000

ALUMINUM DOOR

DOOR SECTIONS

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

Frame:

Material thickness' of top rail, bottom rail, and end stile, 1.8mm (.071"). Thickness at fastener locations 2.5mm (0.100") or more.

End stiles 76mm (3.0") wide (*interior*) 53mm (2 3/32") (*exterior*). Top rail height 45mm (1 3/4") overall. Bottom rail height 43mm (1 11/16") overall. Combined height of top and bottom rails 84mm (3 5/16"). The top rail of every section to have an integral aluminum strut 38mm (1 1/2") deep.

Top and bottom rails are screwed to the end stiles and intermediate stiles with plated countersunk screws. The screws are located at the section interface and are not visible.

Intermediate stiles located on interior face only. Material thickness 1.6mm (.063"). Stile width 76mm (3.0").

Optional double end stiles with matching bottom rail 149mm (5.882") wide material thickness of double end stile/bottom rail 1.8mm (0.071"), 2.79mm (0.110") at fastener locations. This allows the ability to accommodate 1" overlap.

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.

All other colours available in a powder coated process.

Polycarbonate Insert Panel:

Lexan® Thermoclear® Triple wall 1 UV lite sheet is a structural sheet made of polycarbonate resin. One single 16mm (5/8") thick sheet per section set into 32mm (1 1/8") deep pockets in aluminum frame with waterproof sealant. R value of Polycarbonate panel 2.50. U value 0.44. Available in Clear, as well as Bronze, Blue, Charcoal, Opal White, Red and Green tints.

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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.

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.

Bottom weatherstrip:

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

Section Interface weatherstrip:

Arctic grade vinyl bubble shaped weatherstrip at all section meeting rails in integral 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 or optional electric operator

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