



SOL - A - TROL[®]

aluminum products

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SPECIFICATIONS

SERIES 3000 IMPACT CASEMENT WINDOWS

1. GENERAL

Architectural casement windows as shown in the architectural drawings shall be Series 3000 as manufactured by SOL-A-TROL Aluminum Products, Miami FL and shall meet or exceed AAMA specifications for AW-60. Available in a large missile impact-resistant model, tested in accordance to meet TAS 201, 202, 203 to a design pressure of +100, -100 psf., available in 40" x 80" size at +75/-90 PSF.

2. MATERIAL

Extruded aluminum 6063-T6 (Alloy and Temper)

FRAMES: The window frame shall have a minimum thickness of 1/8" and a full depth of 2".

SASH: All sash members shall have a minimum thickness of 1/8", of tubular construction, and full depth of 2".

3. CONSTRUCTION

FRAME: All frame members shall be joined by double mortise, tenon, and riveted construction.

SASH: All vents shall be mitered, reinforced with extruded aluminum corner key and welded and shall be factory sealed.

4. HARDWARE

Ventilators shall be equipped with heavy duty 5 knuckle extruded aluminum butt hinges. All locking hardware shall be white bronze with U.S.25-D finish. Options available include heavy duty, non-magnetic stainless steel, 4-bar mechanism, adjustable friction hinges and/or roto operators. Surface mounted white bronze cam locks available with clear anodized exposed connecting bar, connecting bar available in Safety Red Paint for emergency egress models.

5. WEATHERSTRIPPING

Dual row Santoprene bulb weatherstripping continuous on sash to frame contact locations

6. FINISHES

Electro-statically applied baked enamel to meet AAMA 2603.

Clear Anodized.

Dark, Bronze, Medium Bronze or Light Bronze Anodized

Electro-statically applied baked enamel to meet AAMA 2605, 70% PVDF "Kynar"

7. GLAZING

The glass shall be as specified under Glass and Glazing section and held in place with extruded snap-in type glazing bead. Impact resistant models shall be glazed with 7/16" Laminated, 9/16" Laminated or 1 5/16" Insulated laminated glass as tested.

8. SCREENS

Screens shall be aluminum frames with an 18 x 16 mesh charcoal fiberglass screen cloth. Wickets required for non-roto operator equipped units.

9. THERMAL PERFORMANCE

Total U-Value .65 ; S.H.G.C .18 to .25 per NFRC 100,200, and 500 using insulated and insulated impact low-e glass