

SERIES 800

Single Hung

Thermally Improved Prime Replacement Windows



DETAILS

Utilizes complete Thermal Break Sash and Master Frame for optimal insulating value

Features 7/8" clear insulating glass made with Super Spacer®, the world's only TrueWARM® edge technology

Top lite glazed to master frame for reduced air infiltration

Dual assembly screws at sash corners for added strength

Bottom sash lock for easy access

Block and Tackle balances



UNIVERSAL
Window and Door

Single Hung Rated Commercial Thermally Improved

Performance

H C-35 @ 59" x 90"

Uniform Structural Load:
52.5 psf

Water Resistance:
@ 5.25 psf: No Entry

Air Infiltration:
@ 1.57 psf: ..18 cfm

U value/conduction @ 0 mph:
.49

Condensation Resistance Factor:
50

Options

Glass:
Low-E, Soft-Coat, Solar Control, Argon, Tempered, Obscure, Wire or Spandrel

Wrapping Systems:

Exterior Panning Systems
Interior Trim Systems
Receptor Systems
Flange Frame

Head Expander and Sill Angle
Nailing Fin

Finishes:
Special finishes and custom architectural finishes are available

Screens:

Child Guard Screen
Vandal Screen
Standard Screen (Fiberglass)
Internal, External and Interior Grids



Specifications

General: Universal's Series 800 thermal barrier single hung windows are designed to meet or exceed AAMA performance requirements, both thermally and structurally, with an AAMA rating of H C-35.

Finish: The standard finish on the Series 800 is an electrostatically applied baked-on acrylic color finish, with a 5-stage chromate undercoating conforming to AAMA 603.8 standards. White, black, bronze, green and beige are standard (see color chart). Other Architect-specified finishes are available upon request at additional cost.

Material: Aluminum used is commercial quality 6063-T5 alloy with a minimum ultimate tensile strength of 22,000 psi, free from defects impairing strength and durability, and with standard wall tolerances as defined in the Architectural Aluminum Manufacturer's Association Master Specifications for Aluminum Windows H C-35. The combination of urethane Thermal Barrier material as a separator and rigid vinyl adapters completes the thermal barrier separation.

Frame/Sash: Master frame and sash have dual screwed overlap joints. Head, sill and jambs of the master frame are designed to receive stacking condition by way of thermal break mullions. (Note: All metal-to-metal joints MUST be back-sealed in the field if mullied on site.)

Glazing: Operable sash glazing is a heavy vinyl, wrap-around "Marine" type, and the dead panel is tape/bead glazed to satisfy a good glazing condition between metal and glass. The primary glazing is for 7/8" double glazed, for maximum thermal performance.

Spacer: Quanex's Super Spacer® contains NO-Metal and is one of the most thermatically efficient IG spacers available today. Super Spacer® reduces sealant stress while improving heat flow resistance, glass surface temperature, condensation resistance and sound absorption. Super Spacer® is the only polymer foam, NO-Metal warm edge spacer.

Hardware: The operable sash is balanced with a block-and-tackle balance installed in the frame jambs. Balances are readily accessible for replacement, and are pre-adjusted at the factory to provide lift assistance, and hold sash in any open position based on the weight of glass to be used. Tilt latches to lock the sash in fully closed position are on the ends of bottom sash. All nylon hardware is of high quality, weather-resistant material. Heavy duty metal locks are installed at the center of Lift Rail. Optional spiral balances are available at no additional cost. When windows are not being used expressly for ventilation, they must be fully closed and locked. Failure to do so may result in personal injury or damage to property.

Screens: The screen channel design of the master frame permits for a half-screen. 18 x 16 fiberglass mesh is attached to the screen box frame by a spline lock in the screen channel. Optional "Child Guard" and "Vandal" screening is available. WARNING: Insect screens are intended to provide reasonable insect control, and are not intended to provide for the retention of objects or persons from the interior.