SERIES 600

Projecting Architectural Windows

Architectural Thermally Improved Prime Replacement Windows

DETAILS

Utilizes complete Thermal Break vent and master frame for optimal insulating

Features 1" clear insulating glass made with Super Spacer®, the world's only TrueWARM® edge technology

Interior glazed for ease of repair and installation

Heavy duty 4 bar hinges, stainless steel with brass slide

Special tubular vent design for added strength and long life

Project In Hopper style and Project Out, casement and awning available

Available in Standard Colors as well as Clear and Bronze Anodized

UNIVERSAL
Window and Door

Projecting Architectural Heavy Commercial Thermally Improved

Performance

AAMA/WDMA/CSA101/1S2/A440-05

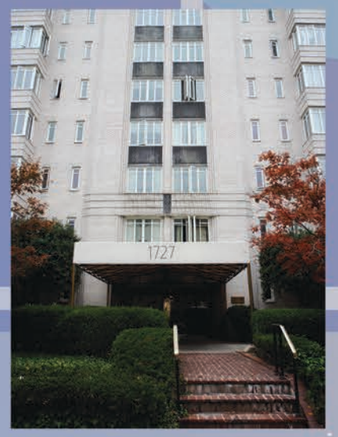
AP-AW 135: 60 x 36 project out, Uniform structural load: 202.5 psf
AP-HC 100: 60 x 32 project out, Uniform structural load: 150 psf
AP-AW-135: 60x36 project in Uniform structural load 202.5 psf
AP-HC 100: 60 x 32 project in, Uniform structural load: 150 psf
Life Cycle Test: 1250 total cycles
Misuse Test: Torsion, Balance Arm Load and Racking: Meets as stated

Water Resistance @ 15 psf: no entry
Air infiltration @ 6.24 psf: .10 cfm

U value / conduction @ 0 mph: .51
Condensation Resistance Factor: 54

Options

Glass:
Low-E, Soft-Coat, Solar Control, Argon, Tempered, Obscure, Wire or Spandrel
Operators:
Roto-op or Under-screen Push Bar hardware
Wrapping Systems:
Exterior Panning Systems
Interior Trim Systems
Receptor Systems
Flange Frame
Backer Rod Stops, Installation Clips
Mull Systems:
Self-Mulling
I-Mullions
Structural Mullions
Finishes:
Special finishes and custom architectural finishes are available
Internal, External and Interior Grids



Specifications

General: All projecting windows are the thermally improved Series P-600 as manufactured by Universal Window and Door. They Include all necessary hardware and related items described and shown on the plans.
Material: Aluminum used is heavy commercial quality extruded aluminum 6063-T5 alloy with an internal polyurethane-filled structural thermal barrier. Frame and sash are designed for inside glazing using snap-in aluminum extruded bead.
Construction: All ventilator corners shall be mitered and reinforced with extruded keys that are crimped into place. All joints are sealed weathertight. Corners of frame are closely fitted, butt-jointed and tightly joined by mechanical means. Ventilator sections will be double weather-stripped, with flexible bulb seals keyed into extruded grooves.
Glazing: At frames and vents, all glazing legs are 7/8" high with serrations on inside surface to secure shimmed butyl glazing tape. Glazing beads are extruded, snap-in type, no less than .050" and accommodate up to and including 1" glass, panels or louvers.
Finish: Aluminum surfaces on the Series 600 are undercoated with a 5-stage chromate pre-treatment, then have an electrostatically applied, baked-on enamel finish conforming to AAMA 603.8 standards. Standard colors are white, black, bronze, green and beige. Special colors, architect-specified finishes and anodized finishes are available at an added cost.
Hardware: Universal's ventilator windows incorporate two four-bar, heavy duty friction hinge assemblies securely fastened to the frame and vent members, operating in a track provided with an adjustable nylon friction feature that conceals when closed. Standard locking hardware consists of cam locking handles cast of white bronze, and secured with stainless steel fasteners. Optional mechanical operators are available.
Spacer: Quanex 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.vv
Screens: The optional screens have extruded aluminum frames securely joined at the corners, and finish will match that of the window frame. Projected window frames feature a wicket door as standard. Screen cloth is 18 x 16 mesh fiberglass standard. WARNING: Insect screens are in-tended to provide reasonable insect control, and are not intended to provide for the retention of objects or persons from the interior.
Thermal Barrier: The thermal barrier consists of a two-part, chemically curing, high strength polyurethane casting resin. This barrier provides a continuous, uninterrupted break around the entire perimeter of the frame and vent, and it is not bridged by any metals, conductors or other materials.
Erection: Window frames must be installed straight, plumb and level without springing or twisting, and securely fastened in place in accordance with manufacturer details and appropriate building codes.. Windows are to be caulked with a suitable compound and using appropriate joint design to accomplish a thoroughly water-tight installation around the interior and exterior perimeter of the window frame and wall opening.