

# SERIES 945

## Sliding Window, Heavy Commercial

Thermally Improved Prime Replacement Windows



### DETAILS

Heavy Commercial design built on our 900 Series proven track record

Meeting rails optimized for increased deflection resistance without heavy sightlines

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

Fixed lite glazed to the master frame for reduced air infiltration

Dual assembly screws at sash corners for added strength

Tandem rollers on each sliding panel to enhance smooth operation

Tank Sill for superior water resistance



**UNIVERSAL**  
Window and Door

## 2-lite, 3-lite Sliding Windows Rated Heavy Commercial Thermally Improved

### Performance

**Structural Rating:**

HS-HC-45 @ 99" x 79"  
101/1.S.2 A440-05

**Uniform Structural Load:**

67.5 psf

**Water Resistance:**

@ 9 psf: No Entry

**Air Infiltration:**

@ 6.24 psf: .20 cfm

**U value/conduction @ 0 mph:**

.50

**Condensation Resistance Factor:**

53

### 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:** Series 945 windows (Thermal Barrier Single-slide) are designed to meet or exceed AAMA performance requirements both thermally and structurally. This window carries a thermal rating, and the AAMA/wdma 101/1.S.2 A440-05 structural rating of HS HC-45.

**Finish:** The standard finishes are acrylic white, black, bronze, green or beige, electrostatically applied and baked-on, with a 5-stage chromate undercoating. Other architect specified finishes may be available at an additional cost.

**Material:** The aluminum used is of commercial quality 6063-T5 alloy, with a minimum ultimate tensile strength of 22,000 psi, free from defects impairing strength and durability. They utilize a urethane thermal barrier material as a separator in conjunction with rigid vinyl adaptors to complete the thermal barrier separation.

**Glazing:** Operable sash glazing is a heavy, vinyl wrap-around "marine" type, and 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 to assure the best thermal barrier insulation.

**Spacer:** Edgetech's Super Spacer® contains NO-Metal and is one of the most thermally 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:** Inside rolling panels are equipped with spring type locks that strike side jambs for positive automatic locking. Optional "oversized" handles are available. The vent sash rolls on tandem stainless steel, self-lubricating axles with bronze wheel, held in place by a dual-position, rust-proof housing.

**Screens:** The screen channel design in the Master frame allows the use of a half-screen. 18 x 16 fiberglass mesh is attached to the screen box frame by a spline lock in the screen channel. 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.

**Frame / Sash:** Master frames and sashes have dual-screwed overlap joints. Master frame head, sill and jambs 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 the windows are field mullied.) Master frame sill is of "Tank Sill" design for high water performance rating.

**Weatherstripping:** The weather seals provided are of polypropylene pile with fin seal. Fin seal type weather seal is used in combination with bulb or rigid vinyl to achieve maximum weather tightness.