

# Stands up to the elements. Stands out in the industry.



Slab-to-slab units can span up to 10' tall, providing vast open views.

## **HIGH PERFORMANCE – AA™3200HP** **HURRICANE RESISTANT – AA™3200IR**

Mother Nature can be unpredictable, and the effects of weather are constant considerations when designing and constructing buildings. Whether it's rain, wind, blizzards or hurricanes, Kawneer has designed the AA™3200 Thermal Sliding Door to meet the challenge. With contemporary hardware, clean sightlines, sound and endless configuration options, the AA™3200 Thermal Sliding Door is the perfect choice for your next high-end project. Balancing form with function, this sliding door stands up to the elements while standing out in the industry.

## **PERFORMANCE**

High-velocity winds, torrential rains, blizzards and hurricanes are just a few of the challenging weather elements that architects and building owners face. Kawneer's AA™3200 Thermal Sliding Door, designed to meet thermal, coastal and hurricane conditions, helps meet these challenges. Available in both High Performance (HP) and Hurricane Resistant (IR) versions, the AA™3200 Thermal Sliding Door complements Kawneer's portfolio of thermal solutions and products for the entire building.

Kawneer's high-performance IsoWeb™ thermal break allows this sliding door to meet current energy codes and provides capabilities for a dual finished product. In addition to thermal performance, the AA™3200 Thermal Sliding Door has been tested for both large and small missile

impact on panels up to 10' tall. For enhanced STC and OITC (sound resistance) performance, the sliding door accommodates 1-5/16" (33.3 mm) insulated/laminated glass, and it accommodates 1" (25.4 mm) insulated glass for improved thermal performance.

A larger-wheel stainless steel tandem roller with precision-ground sealed bearings provides smooth operation on even the largest and heaviest sliding panels. Additionally, the sealed bearings offer maximum protection against coastal elements such as windblown sand and salt water. Other features include corrosion-resistant stainless steel locks and fasteners. Interior screens are available to keep insects at bay.

The AA™3200 Thermal Sliding Door has been tested to meet North American performance standards:

PERFORMANCE	STANDARD	RESULTS
Load Resistance (panel test size 5' x 8')	NAFS* CSA-A440-00	AW-PG135-SD C5 Mullions
Hurricane Resistance (panel test size 4' x 10')	ASTM E 1886, E 1996, FBC-TAS 201/203	Large and Small Missile (+/- 135 psf)
Air Leakage – Infiltration Air Leakage – Exfiltration	ASTM E 283 A440 – A2 Level CSA-A440-00	0.03 cfm/ft² @ 6.24 psf 0.13 cfm/ft² @ 6.24 psf A2
Water Penetration	ASTM E 331, E 547 CSA-A440-00	15 psf B7
Sound Transmission	ASTM E 1425, E 90, 1332	STC – 38 OITC – 33
Thermal Transmittance**	AAMA 1503	U-Value – .45 to .63
Condensation Resistance**	AAMA 1503	CRF <sub>f</sub> – 57 to 49 CRF <sub>g</sub> – 66 to 57
Temperature Index	CSA-A440-00	I <sub>t</sub> – 39 I <sub>g</sub> – 53

\*AAMA/WDMA/CSA 101/1.S.2/A440-08

\*\*The AA™3200 Thermal Sliding Door has also been tested in U-value simulations for other glazing options to AAMA 507 and NFRC 100, 200 and 500. Results will vary depending on frame and glass options.

### FABRICATION AND INSTALLATION

Fixed lites, sliding panels and sub-sash panels of the AA™3200 Thermal Sliding Door all incorporate removable stops with interior and exterior gaskets in lieu of marine glazing. Removable stops ensure reglazing is as easy as the initial glazing process and no panel disassembly is required for glass replacement. Variable glass stops accommodate industry standard 1" (25.4 mm) insulated glass as well as 1-5/16" (33.3 mm) insulated/laminated glass. Coped, screw spline corner joinery keeps fabrication and assembly simple. The sliding panel and sub-sash fixed panel can be pre-glazed; the common glass size makes glazing and installation quicker. With many fabrication and installation advantages as well as high-performance features, the AA™3200 Thermal Sliding Door can be tailored to meet a variety of project requirements.

### AESTHETICS

The AA™3200 Thermal Sliding Door can span slab to slab up to 10' tall, which offers occupants clear, unobstructed views. Various mullion and reinforcement options provide additional performance and design flexibility. Two distinct looks can be achieved with the AA™3200 Thermal Sliding Door: a sub-sash option offers equal sightlines across the opening, while the direct field glazing option offers the more traditional sliding door look. The 2-1/4" (57.2 mm) standard sill, with 15 psf water performance, provides an aesthetically pleasing smaller sightline at the interior to exterior transition than some competitors' products which can be up to 4-1/2" (114.3 mm).

Standard configurations consist of OX, XO, OXO and OXXO openings, while a common mullion allows for additional fixed panels to be stacked (OOXO), achieving even greater expanses of glass. The unique beveled profiles create architectural shadow lines, which allow a commercial product to receive mid- to high-rise residential acceptance.

The AA™3200 Thermal Sliding Door's stylish design and performance offer a practical product solution for use in condominiums, hotels and apartments.

### FOR THE FINISHING TOUCH

Permanodic™ anodized finishes are available in Class I and Class II in seven different color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially designed colors.

Solvent-free powder coatings add the "green" element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.



Corrosion-resistant stainless steel locks and fasteners provide maximum security.



Safe operation with sturdy panel stops and architectural shadow lines are created by the unique beveled profiles.