

# AA<sup>®</sup>900 ISOWEB<sup>®</sup> Window

Contemporary Styling  
Designed for Top  
Thermal Performance



Peninsula Medical School, Plymouth, United Kingdom  
Architect: Nightingale Associates, Oxford, United Kingdom  
Glazing Contractor: Dudley's Architectural Aluminum, Cardiff, United Kingdom

Kawneer's AA<sup>®</sup>900 ISOWEB<sup>®</sup> Window is styling redesigned and comfort redefined. With the AA<sup>®</sup>900, you no longer have to choose between style and performance. Now there is a product that offers improved thermal performance, advanced hardware, clean sightlines, plus a variety of design options. Staying comfortable has never had more appeal.

## Performance

As energy prices rise, building owners and architects continue to ask for increased energy efficiency in buildings, especially in climates subject to temperature extremes. AA<sup>®</sup>900 Window features the ISOWEB<sup>®</sup> polyamide thermal break that allows increased thermal separation, a detail that assures this window meets all applicable North American standards for thermal performance.

The unique corner joinery on the AA<sup>900</sup> has distinctive corner keys that deliver both a stronger corner joint and improved seals that better resist air and water infiltration. Locking points on the AA<sup>900</sup> are adjustable to improve the window weather seal and concealed to eliminate the unsightly need for multiple exposed cam handles to lock larger windows. Single handle multi-point locking hardware provides adjustability unavailable with standard cam handles.

AA<sup>900</sup> ISOWEB<sup>®</sup> Window accommodates typical 1 inch (25.4) insulating glass, up to 1-5/16 inch (33.3) hurricane impact resistant glass and up to 2 inch (50.8) triple glazing for increased thermal performance. The 2-5/8 inch (66.7) system depth means increased structural performance and AA<sup>900</sup> ISOWEB<sup>®</sup> Window has been tested to meet or exceed performance standards AAMA/WMDA/CSA 101/I.S.2/A440-00 as well as hurricane impact and cycle testing.

### Class & Grades

	U.S. Standards	Canadian Standards
Fixed	FW-HC90 / FW-AW90	A3, B7, C5
Project-In	AP-HC90 / AP-AW90	A3, B7, C5
Project-Out	AP-C90 / AP-AW90	A3, B7, C5
Inswing Casement	C-HC90 / C-AW90	A3, B7, C5



### Aesthetics

In developing the AA<sup>900</sup> ISOWEB<sup>®</sup> Window, Kawneer reached beyond traditional boundaries and joined forces with engineers and designers in Europe. The result is proven high performance in a thermal window system that accommodates both aesthetics and versatility. Multiple window configuration options are possible in addition to the typical fixed, projected and casement configurations. This provides the designer with virtually limitless ventilation solutions on a wide range of building types, making the product ideal for health care and educational facilities, office buildings, and condominiums – anywhere comfort is paramount.

The thermal break allows a two-color finish option not possible with traditional thermal barriers. The 45° mitered corners on frames and vents, and extruded accent features give a pleasing “picture frame” appearance with consistent sightlines. Other options include insect screens and single handle adjustable multi-point locking hardware in multiple finishes.

Kawneer’s AA<sup>900</sup> ISOWEB<sup>®</sup> Window delivers the styling and thermal efficiency today’s buildings demand, especially in a time of ever-rising energy prices and increased environmental awareness.

### For the Finishing Touch

Architectural Class I anodized aluminum finishes are available in clear and Permanodic<sup>®</sup> 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.



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Note: Numbers in parentheses ( ) are millimeters unless otherwise noted.

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