CURTAIN WALL & OVERHEAD GLAZING

kawneer.com
Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrances, framing systems, windows and curtain wall systems. For over a century, Kawneer has been recognized as an innovator. Since that time, we’ve balanced experience with change and ongoing improvement. We strive every day to develop solutions that promote integrated, sustainable building practices, and we are dedicated to providing the tools our customers need to succeed. Thermal breaks, condensation management and building integrated photovoltaics (BIPV) and unitized curtain walls are just a few examples of how we have responded to customer needs.

Kawneer offers single-source responsibility with a comprehensive group of independently tested hurricane resistant and blast mitigation products. Many hurricane resistant products have received Notices of Acceptance (NOA) issued by Miami-Dade County BCCO and Florida State Approvals. Blast mitigation products meet requirements of the General Services Administration (GSA), Interagency Security Committee (ISC) and Department of Defense (DoD). For more information, visit kawneer.com.

Custom Curtain Wall
Selected for the world’s most recognized buildings
Engineering and design expertise
Established leadership in major applications around the world

1600 PowerWall®
Provides a single-source solution and optimal shade while generating solar power and reducing energy usage
Pre-engineered sunshade system effectively reduces solar heat gain
Dual-position pivot system provides optimal angle and extension for shading any location
Can be directly connected to 1600 Wall System®

**Versatile® SunShade – Outrigger System**

An economical, pre-engineered and integrated sunshade with mix-and-match design choices
Standardized design compatible with 1600 Wall System®, 1600 Wall System®, 1600 UltraSystem® and 1600 SSG® Systems
Shades interior and conserves energy with 30” and 36” projection options
Provides a single-source solution
Outriggers, fascia caps and louvers are available in several shapes

**Versatile® SunShade – Single Blade System**

Shades of versatility in form and function
Standardized solutions for seamless integration with 1600 Wall System®, 1600 Wall System®, 1600 UltraSystem®, 1600 SSG® and 1600 SS® SSG curtain wall systems
Highly versatile design allows for blades to be mounted in horizontal or vertical configurations
Innovative mounting design allows for multiple angles in both horizontal and vertical configurations
Multiple blade sizes ranging from 6” to 14” wide

**Luminous® Light Shelf**
Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space
Leverages minimal material content, sightlines, weight, installation and maintenance efforts, all while maximizing value, daylighting and design options
Light shelf features an extruded aluminum channel system with several panel choices
1 Tilt feature for easy cleaning of the top reflective surface area
1 Availability of depths of up to 30” allows for maximizing the overall reflective surface area

1600 PowerWall® and 1600 PowerSlope®
Combines 1600 Wall System® and 1600 Stopped Glazing and photovoltaic (PV) panels that convert light energy from the sun directly into electricity without using fossil fuels
Fully compatible with 1600 Wall System® and 1600 Stopped Glazing for vertical and sloped glazed applications

1600 Wall System® and 1600 Wall System®
Reliable curtain wall systems with versatile features
Pressure equalized systems for low- to mid-rise applications

System 1 – outside glazed, captured system
System 2 – outside glazed, structural silicone glazed system
Concealed fastener joinery creates a smooth, monolithic appearance
Continuous thermal separator reduces heat gain and loss
Large- and small-mass impact tested
Blast tested to ASTM F 1624 standards

1600UT UltraThermal System®

UltraThermal system® in combination with thermal performance System 1 – outside glazed, captured system
System 2 – outside glazed, structural silicone glazed system
Built on the success of the flagship 1600 curtain wall platform, the 1600UT system® delivers high thermal performance, versatility, reliability and value
Ideal for low- to mid-rise commercial applications where high thermal performing façades are needed
Accepts double or triple glazing

1600 Wall System® and 1600 Wall System®
Inside/outside glazed curtain wall system
System 3 has a 2.1/2” profile
Incorporates IsoStrut® Thermal Break for superior structural and thermal performance
Allows for a structural silicone glazing option
Integral exterior cover and thermal isolator reduces installed cost
Inside glazing reduces installation costs
Outside glazing option for spandrel re-glazing

1600 Wall System®

An inside glazed curtain wall/ribbon window system
2-1/2” profile
Installed in 7-1/2” system depth and optional 6” system depth
Shear block construction for fabrication versatility
Structural silicone glazed option
Optional split mullion design with spline construction for ease of installation and fabrication
Allows two-color design options

1600 SSM® (Screw Spline) Curtain Wall

System 1 – Outside glazing option
System 2 – Structural silicone glazed option
Concealed screw spline joinery allows for shop assembly
Unique interlocking mullion design eliminates the need for anti-buckling clips
System depths and spline and screw 1600 Wall System® and System 2
1600 SS Unithwall® allows units to be pre-glazed in the shop
1600 SS® blast tested per ASTM F 1642 and OSA-T25-01-03 standards

ClearView® Curtain Wall

Achieves all glass monolithic aesthetic in a field glazed, screw spline application
Innovative toggle assembly captures glass, eliminating field application of structural silicone
Screw glazing options use the toggle-based glass retention system
No structural silicone required for ClearView® SS/SB glazing options, which use the toggle to directly capture recessed spacer glass
Other glazing options use a metal interface attached to standard 1” insulating glass
Screw spline joinery method allows shop assembly of ladder sections, reducing field labor
Deeper Mullions with shear block joinery allow for higher free span applications
7500 Wall®
Exceptional thermal performance and resistance to condensation
Incorporates high-performance IsoWeb® Thermal Break
Accommodates 1" double-glazed or 2" triple-glazed insulating glass units
Exterior pressure glazed system

2500 PG Unitwall™
A high-performance unitized curtain wall system
Available in stock length, fabricated or pre-assembled and glazed units
Unitized construction accelerates installation
Available systems include 4-sided captured, vertical and horizontal SSG
(Structural Silicone Glazed) or 4-sided SSG
2-1/2" x 7-1/2" profile
Suitable for new construction or remodel
Dual finish capabilities

1600 L-R (Low-Rise) Wall®
Economical stock length system for low-rise applications
Outside glazed pressure plate system available in captured or two-sided vertical SSG option
Standard 5-3/4" or 7-1/4" system depths
Shear block construction utilizing concealed fasteners

2250 L-R (Low-Rise) Wall
The economical system designed for low-rise applications
Economical stick system with no-compromise performance
Utilizes a polymer thermal clip, allowing for easier installation and labor savings
2-1/4" sightline
Design flexibility allows a structural silicone glazed option
Mullicon drained design

2250 IG (Inside Glazed)
An economical, inside glazed ribbon window/curtain wall system
Narrow 2-1/4" profile
Offered in 4-1/2", 5" and 7-1/2" system depths
Shear block and screw spline construction for easy fabrication
Structural silicone glazed option
Allows two-color design options
Thermally improved

OVERHEAD GLAZING

1600 Sloped Glazing and 2000 Skylight
Curtain wall performance in overhead glazing systems
Stick system – fully factory fabricated
Silicone glazed or captured purlin options
Flush grid exterior has a 2-1/2" sightline
Various mullicon depths to meet wind and snow loads
Handles hip and valley rafter applications

FINISHES

ANODIZED FINISHES
Long-lasting, protective coatings resist abrasion, corrosion and UV rays, and meet or exceed AAMA 611
Architectural Metals
Light satin is a Class I finish with a chrome-like brightness and light brushed texture
Available on a variety of products
Permanodic® Clear Finishes
Available in Anodized Class I (#14) or Class II (#17)
Permanodic® Color Finishes
Available in clear (Class I and Class II) and color (Class I) choices, including champagne, black, light bronze, medium bronze and dark bronze

PAINTED FINISHES
Fluoropolymer Coatings – Enduring color with high performance and durability
Available in many standard choices and unlimited custom colors
These include Permafluor™ and Permadize® finishes, which meet or exceed AAMA 2604 or AAMA 2605

Powder Coatings – Create a “green” element with solvent-free high performance, durability and scratch resistance
Permacoat™ finishes available in 24 standard colors
Powder coatings meet or exceed AAMA 2604

NOTICE
Laws and building and safety codes governing the design and use of windows, glazed entrance, framing, curtain wall and overhead glazing products vary widely.
Kawneer does not control the selection of product configuration, operating hardware or glazing materials, and assumes no responsibility thereof.
Information contained in this catalog is subject to change without notice.

OTHER PRODUCTS FROM KAWNEER
Entrances & Framing 08 41 00; Windows 08 51 00

FOR MORE INFORMATION
Visit Kawneer.com for more detailed information, including the most current Guide Specifications, CAD libraries and BIM product models.