Curtain Wall & Overhead Glazing
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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 photovoltaic (BIPV) and unitized curtain walls are just a few examples of how we have responded to customer needs.

HURRICANE RESISTANT AND BLAST MITIGATION PRODUCTS
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 (NOAs) 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 PowerShade™, 1600 PowerWall™ and 1600 PowerSlope™
Provides a single-source solution while generating solar power and reducing energy use
All systems are fully compatible with 1600 Wall System™1  |  1600 PowerShade™ features a dual-position pivot system that provides optimal angle and extension for shading any location  |  1600 PowerWall™ and 1600 PowerSlope™ work with 1600 Wall System™1 and 1600 Sloped Glazing for vertical and sloped glazed application

Versoleil™ SunShade – Outrigger System
An economical, pre-engineered and integrated sunshade with mix-and-match design choices
Standardized design compatible with 1600 Wall System™1, 1600 Wall System™2, 1600UT System™1, 1600 Wall System™NS and 1600 SS Curtain Wall  |  Shades interiors and conserves energy with 30° and 36° projection options  |  Outriggers, fascia caps and louvers are available in several shapes

Versoleil™ SunShade – Single Blade System
Shades of versatility in form and function
Standardized solution for seamless integration with 1600 Wall System™1, 1600 Wall System™2, 1600 Wall System™NS and 1600 SS 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  |  Blade sizes range from 6” to 14” deep

InLighten™ 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 chassis system with several panel choices  |  Tilt feature for easy cleaning of the top reflective panel surface  |  Availability of depths up to 30” allows for maximizing the overall reflective surface area
1600 Wall System™1 and 1600 Wall System™2
Reliable curtain wall systems with versatile features
Pressure equalized systems for low- to mid-rise applications
System1 – outside glazed, captured system
System2 – 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-missile impact tested
Blast tested to ASTM F 1642 standards

1600UT (Ultra Thermal) System™1 and 1600UT System™2
Ultra-innovative solution raises standards for thermal performance
System1 – outside glazed, captured system
System2 – 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™3 and 1600 Wall System™4
Inside/outside glazed curtain wall system
System3 has a 2-1/2” profile
System4 has a 2-1/4” profile
Incorporates the IsoStrut™ Thermal Break for superior structural and thermal performance
Allows for a structural silicone glazing option
Integral exterior cover and thermal isolator reduce installed cost
Inside glazing reduces installation costs
Outside glazing option for spandrel re-glazing

1600 Wall System™5
An inside glazed curtain wall/ribbon window system
2-1/2” profile
Offered 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 screw spline construction for ease of installation and fabrication
Allows two-color design options

1600 SS Curtain Wall/1600 SS (Pre-glazed) Curtain Wall
Shop assembled for faster field installation
Outside glazed captured or SSG curtain wall
Concealed screw spline joinery allows for shop assembly
Unique interlocking mullion design eliminates the need for anti-buckling clips
System depths and sightline match 1600 Wall System™1 and System™2
1600 SS (Pre-glazed) Curtain Wall allows units to be pre-glazed in the shop
1600 SS Curtain Wall is blast tested per ASTM F 1642 and GSA-TS01-03 standards

Clearwall™ Curtain Wall
Achieves an all-glass monolithic aesthetic in a field glazed, screw spline application
Innovative toggle assembly captures glass, eliminating field application of structural silicone
Six glazing options use the toggle- based glass retention system
No structural silicone required for Clearwall™ SS/SS 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

1630 SS IR Curtain Wall
High performance, larger spans, elite impact resistance
Impact resistant 3” sightline curtain wall system offers an additional line of defense against high winds, heavy rain, hurricanes and more
Having undergone rigorous testing to hurricane impact and blast mitigation standards, the 1630 SS IR Curtain Wall meets increasing design pressure requirements and can deliver larger spans
Screw spline architecture with both dry and wet glazing options make the 1630 SS IR flexible as well as easy and fast to install
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 Wall™
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
Mullion 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", 6" 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 mullion 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 entrances, 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

COVER PHOTO:
1600UT System™ Curtain Wall, Versoleil™ SunShade – Outrigger System for Curtain Wall, GLASSvent™ Windows, Trifab™ 451UT (Ultra Thermal) Framing
Colorado State University Engineering II Building, Fort Collins, Colorado
Architect: SLATERPAULL Architects, Inc., Denver, Colorado
Glazing Contractor: J.R. Butler, Inc., Denver, Colorado
Photography: © CJBerg Photographics

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