Curtain Wall & Overhead Glazing

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1600 POWERSHADE™, 1600 POWERSHIELD™, 1600 POWERSAFE™: Provide a single-source solution while generating solar power and reducing energy use. All systems are fully compatible with 1600 Wall System™1 and 1600 Wall System™2. 1600 POWERSHADE™ features a dual-position pivot system that provides optimal angle and extension for shading any location. 1600 POWERSHIELD™ work with 1600 Wall System™1 and 1600 Stopped Glazing for vertical and sloped glazed applications.

VERSOLES™ SUNSHADE – OUTRIGGER SYSTEM: An economical, pre-engineered and integrated sunscreen with mix-and-match design choices. Standardized design compatible with 1600 Wall System™1, 1600UT System™1, 1600 Wall System™2 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 depths.

VERSOLES™ SUNSHADE – SINGLE BLADE SYSTEM: Shades of versatility in form and function. Standardized solution for structural glazing with 1600 Wall System™1, 1600 Wall System™2, 1600UT System™1 and 1600 SS Curtain Wall. Innovative mounting design allows for multiple angles in both horizontal and vertical configurations. Blade sizes range from 6” to 14” deep.

INLIGHT® INTERIOR LIGHT SHELF: Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space. Leverages minimal structural material, light, 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. Depths up to 20” maximize the overall reflective surface area.

1600 WALL SYSTEM™1 AND 1600 WALL SYSTEM™2 CURTAIN WALL: Reliable curtain wall systems with versatile features. Pressure-equalized systems for low-to-mid-rise applications. System: outside glazed, captured system. System2: outside glazed, structural silicone glazed system. Consoled betterie joinery creates a smooth, monolithic appearance. Continuous thermal separator reduces heat gain and loss. Large- and small-scale impact tested (System1 has larger-scale impact tested to Level E option). Blunt tested to ASTM F 1642 standards.

1600UT (ULTRA THERMAL) SYSTEM™1 AND 1600UT/SYSTEMS CURTAIN WALL: Ultra-innovative solution raises standard for thermal performance. System: 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 performance features are needed. Accepted double or triple glazing. System1 meets the ICC/NSGA Standard for the Design and Construction of Storm Shelters (ICC 500-08 and ICC 550-16 requirements for EPS tornado-scale winds (specific parameters apply – contact Kawneer for further details).
Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrance, framing systems, windows and curtain wall systems.

For over a century, Kawneer has been recognized as an innovator. In all 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, building integrated photovoltaics (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 (NOA) issued by Miami-Dade County BCCOC 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 POWERSCREEN™**

Provides a single-source solution while generating solar power and reducing energy use. All systems are compatible with 1600 Wall System™ and 1600 Powershade™ system that provides optimal angle and extension for shading any location. 1600 POWERSHade™ system work with 1600 Wall System™ and 1600 Stopled Glazing for vertical and sloped glazed applications.

**VERSOLEIL™ SUNSHADE – OUTTRIGGER SYSTEM**

An economical, pre-engineered and integrated sunshade with mix-and-match design choices. Standardized design compatible with 1600 Wall System™, 1600 Wall System™ and 1600 SS Curtain Wall. Shades intermediate and consumer energy with 30” and 36” projection options. Outriggers, finca caps and louvers are available in several depths.

**VERSOLEIL™ SUNSHADE – SINGLE BLADE SYSTEM**

Shades of versatility in form and function. Standardized solution for seamless integration with 1600 Wall System™, 1600 Wall System™, 1600 SS Curtain Wall System™ and 1600 SS Curtain Wall. Innovative mounting design allows for multiple angles in both horizontal and vertical configurations. Blade sizes range from 6’ to 14’ deep.

**INLIGHTEN™ INTERIOR LIGHT SHELF**

Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space. Leverages minimal interior material content, optics, weight, installation and maintenance efforts, all while maximizing daylighting and design options. Light shelf features an extended aluminum chas system with several panel choices. Tilt feature for easy cleaning of the top reflective panel surface. Depths up to 30” maximize the overall reflective surface area.

**1600 WALL SYSTEM™ and 1600 WALL SYSTEM™2 CURTAIN WALL**

Reliable curtain wall system 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. Conveyed betterer joynery creates a strong, monolithic appearance. Continuous thermal separator reduces heat gain and loss. Large- and small-missile impact tested (System 1 has reduced-missile impact tested to Level E option). Blasted test to ASTM F 1642 standards.

**1600UT (ULTRA THERMAL) SYSTEM™ and 1600UT SYSTEM™ CURTAIN WALL**

Ultra-innovative solution raises standard for 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™ delivers high thermal performance, versatility, reliability and value. Ideal for low- to mid-rise commercial applications where high thermal performing façades are needed. Acceptable double or triple glazing. System 1 meets the ICC/NSBA standard for the Design and Construction of Storm Shelters (ICC 5000D and ICC 500-14), requirements for EPS flame-scale winds specific parameters apply – contact Kawneer for further details.

**2500 UT UNITWALL™ SYSTEM**

An economical, inside glazed ribbon window/curtain wall system. Narrow 2-1/4” profile is offered in 4-1/2”, 6” and 7-1/2” system depths. Shear block and screw spine connection for easy fabrication. Structural silicone glazed option. Also, available two-color design options. Thermo-improved.

**1600 SS CURTAIN WALL SYSTEM**

High performance, larger spans, elite impact resistance, impact resistant 2” 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 System meets increasing design pressure requirements and can deliver larger spans. Screw spine architecture with both dry and wet glazing options make the 1630 SS IR Flexible as well as easy and fast to install.

**1600 SS (SCREW SCREEN) CURTAIN WALL SYSTEM/ 1600 SS (PRE-GLAZED) CURTAIN WALL SYSTEM**

Shop assembled for faster field installation. Outside glazed captured material content, sightlines, weight, installation and maintenance efforts. Unique interlocking mullion design eliminates the need for anti-building clips. 1 System depths and sightline matched. 1630 SS (Pre- Glazed Wall Curtain) allows units to be pre-glazed in the shop. 1630 SS Curtain Wall is blast tested per ASTM F 1442 and GSA-701-14 standards.

**CLEARWALL™ CURTAIN WALL SYSTEM**

Astonishing all glass monolithic aesthetic in a field-glazed, screw spine application. Innovative toggle assembly captures glass, eliminating field application of structural silicone. 1 Six glazing options use the toggle-based glass retention system. No structural silicone required for Clearwall™ 55/55 glazing options, which use the toggle to directly capture recessed spacer glass. 1 Other glazing options use a metal interface attached to standard 1” insulating glass. Screw spine joynery allows shop assembly of inlet sections, reducing field labor. 1 Deeper mullion with shear block joynery allow for higher free span applications. Screw spine surface tape fabrication has large-missile impact tested option.

**1620/1620 SSG CURTAIN WALL SYSTEM**

Seeks less so you can see more. With a slimmed-down sightline and design features that have been tested to U.S. and Canadian standards, the 1620/1620 SSG Curtain Wall System allows you to see more. Delivers the desired narrow sightline aesthetic of many traditional storefront products packaged with performance levels expected of a curtain wall system. The stick fabricated, pressure-glazed curtain wall system is available as a four-sided captured system and offers a vertical MSS glazing option.

**1630 SS CURTAIN WALL SYSTEM**

Exceptional performance with expansive aesthetics. Ultra-thermal unitized curtain wall system. Unitized construction accelerates installation. Reduced fabrication and assembly timing. One-piece polycarbonate thermal break. Available systems include 4-1/2”-diced, vertical SSG or 4-sided SSG 2-1/4”-sightline and 7-1/2”-sightline system depths or 6-1/4”-diced SSG system depth option. Exceptional choice for new construction or remodel.

**Curtain Wall & Overhead Glazing**

Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrance, framing systems, windows and curtain wall systems.
Window Wall

**METROVIEW™ FG 501T WINDOW WALL**  
Urban elegance with an economical point of view  
The look of a curtain wall in a slab-to-slab framing system for dramatic floor-to-ceiling views  |  Range of aesthetic options including integrated slab edge covers  |  Balcony doors and GLASSvent™ UT windows can be integrated into the system  |  Screw spline fabrication and joinery means easy construction and low installation cost  |  2-1/4" sightline with standard 5" system depth  |  Ideal for mid-rise commercial projects and multi-family housing

**METROVIEW™ FG 601T WINDOW WALL**  
Economy and performance with an urban view  
Sleek, modern lines lend a sophisticated metropolitan appearance to projects  |  Value-priced window wall, with flexible options and configurations that accommodate Kawneer balcony doors and window products to maximize views  |  Flush slab edge option and slab edge covers allow for a seamless transition between floors  |  Screw spline fabrication and joinery means easy construction and low installation cost  |  2-1/4" sightline with standard 6" system depth  |  Ideal for urban mixed use buildings including mid- to high-rise commercial projects

**PG 123™ FRAMING**  
Ribbon window and multi-lite punched opening system with pre-glaze capability  
2-1/4" x 6" frame members accept 1" infill with 1/4" adaptors for spandrel applications  |  Square cuts with no miters or notching reduces fabrication time  |  Can be pre-assembled and pre-glazed under controlled shop conditions, saving time compared to field construction  |  Pre-glazed units installed from interior, minimizing weather delays and scaffolds/lift equipment

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 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.