

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 are dedicated to providing the tools our customers need to succeed. Thermal Breaks, condensation management and building integrated photovoltaic (BIPV) curtain walls are just a few examples of how we have responded to customer needs.

Hurricane Resistant Products

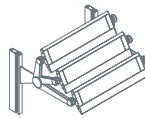
Kawneer offers single-source responsibility with a comprehensive group of independently tested, hurricane resistant products. Many have received Notices of Acceptance (NOAs) issued by Miami-Dade County BCCO and Florida State Approvals. Product testing continues. For more information, visit our website at Kawneer.com.

Custom Curtain Wall

Selected for the world's most recognized buildings
 Engineering and design expertise | Worldwide manufacturing and distribution | Established leadership in major applications around the world

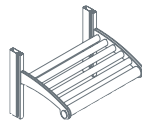
1600 PowerShade®

Provides optimal shade and single-source solution while generating solar power and reducing energy use
 Pre-engineered sunshade system effectively reduces solar heat gain | Exclusive dual position pivot system provides optimal angle and extension for shading any location | Produces power/reduces energy consumption and building operating cost | Conserves valuable natural resources, is silent and pollution free | Can be directly connected to 1600 Wall System®1, providing single-source responsibility and total system solution



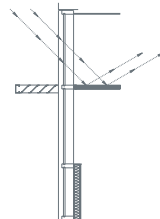
1600 SunShade®

An economical, pre-engineered and integrated sunshade with mix-and-match design choices
 Standard sunshade that integrates easily into outside glazed 1600 Wall System®1 or inside glazed 1600 Wall System®5 | Shades interiors and conserves energy with a 30" projection | Creates considerable savings in fabrication and attachment time compared with custom sunshades, thus allowing use on any building | Provides a single-source solution | Outriggers, brackets and louvers are available in several shapes



InLighten® (Light Shelf)

Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space
 Light shelf features aluminum chassis and painted Aluminum Composite Material (ACM) panel surfaces | Attaches directly to 1600 Wall System®1, System®2, System®3 and System®5 | Two designs include fascia cap or continuous panel "Rout and Return" | Four standard and custom fascia profiles available



Custom Unitized Curtain Wall, Modified 2500 PG Wall®

University of Toronto, Terrence Donnelly Centre for Cellular and Biomolecular Research, Toronto, Ontario, Canada

Architects: architectsAlliance, Toronto, Ontario, Canada and Behnisch Architekten, Stuttgart, Germany and Los Angeles, California

Glazing Contractor: Ferguson-Neudorf Glass, Inc., Beamsville, Ontario, Canada



1600 Wall System®1 with 1600 SunShade®

Colorado Plains Medical Center, Fort Morgan, Colorado

Architect: Davis Partnership Architects, Denver, Colorado

Glazing Contractor: El Paso Glass – Denver, Inc., Aurora, Colorado



1600 Wall System®2

Hunter Henry Center at Mississippi State University

Architect: Foil Wyatt Architects & Planners, P.A., Jackson, Mississippi

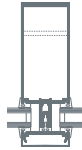
Glazing Contractor: American Glass Company Inc., Columbus, Mississippi



2500 PG Wall®
Cathedral Place, Milwaukee, Wisconsin
Architect: Solomon Cordwell Buenz, Chicago, Illinois
Glazing Contractor: Lurie Glass, Milwaukee, Wisconsin

1600 PowerWall® and 1600 PowerSlope®

Combines 1600 Wall and 1600 S.G.™ and photovoltaic (PV) cells that convert light energy from the sun directly into electricity without using fossil fuels
Conserves valuable natural resources – silent and pollution free | Reduces energy purchased from electric utility as well as peak demand | Fully compatible with 1600 Wall System®1 and 1600 S.G.™ (Slope Glazing) for incorporating into vertical and slope glazed applications | Available in a range of sizes compatible with building requirements | Installed with standard glazing procedures and equipment | Easy maintenance



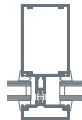
1600 Wall System®1 and 1600 Wall System®2
Reliable systems with versatile features

These are pressure equalized curtain wall systems for low to high-rise applications

System®1 is an outside glazed, captured curtain wall
System®2 is a structural silicone glazed curtain wall
The outside glazed and SSG versions can be used independently or together | Concealed fastener joinery creates a smooth, monolithic appearance | Continuous thermal separator reduces heat gain and loss | Dual finish options, allowing different interior and exterior color finishes | Standard 6", 7-1/2" and 10-1/2" overall system depths | 1600 Wall System®1 and System®2 have been tested for hurricane resistance with both large and small missiles | Blast tested to ASTM F 1642 standards

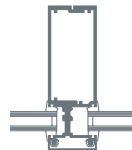


1600 Wall System®1 with 350 Medium Stile Entrances and 1600 Wall System®5 with 1600 SunShade®
Knight Oil Tools Corporate Facility, Lafayette, Louisiana
Architect: Donald J. Breaux Architect, Lafayette, Louisiana
Glazing Contractor: Advantage Glass and Mirror, New Iberia, Louisiana and DeGeorge Glass Company, Inc., Metairie, Louisiana



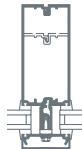
1600 Wall System®3 and 1600 Wall System®4
Inside/outside glazed curtain wall system

Incorporates IsoStrut™ Thermal Break for superior structural and thermal performance | Design flexibility allows 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 featuring screw spline fabrication
Optional split mullion design for ease of installation | 2-1/2" profile | Offered in 7-1/2" system depth and optional 6" system depth | Optional mullion anchor diverter clip for condensation management | Screw spline construction for easy fabrication | Optional shear block construction for fabrication versatility | Structural silicone glazed option | Allows two-color design options | Thermally improved



1600 SS™ (Screw Spline)

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



7500 Wall®
American Axle & Manufacturing, Detroit, Michigan
Architect: Luckenbach | Ziegelman Architects, PLLC; Bloomfield Hills, Michigan
Glazing Contractor: Modern Mirror & Glass Company, Roseville, Michigan



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

1600 L-R 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" depth systems | Accepts either 1/8", 1/4" or 1" infills | Shear block construction utilizing concealed fasteners

2250 L-R (Low-Rise) Wall

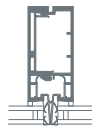
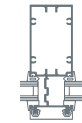
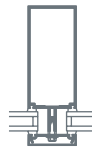
The economical system designed for low-rise applications
Economical stick system with no compromise performance | Utilizes a polymer thermal clip, allowing for easier installation and labor savings | Concealed fastener joinery for an unbroken appearance | Accepts either 1/4" or 1" infills | Design flexibility allows a structural silicone glazed option | 2-1/4" sightline

2250 IG (Inside Glazed)

An economical, inside glazed ribbon window/curtain wall system
Offers condensation management | 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

2500 PG Wall®

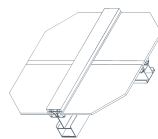
A high-performance pre-glazed monumental curtain wall system
Quality controlled shop fabricated, assembled and pre-glazed units | Unitized construction accelerates installation | Available systems include 4-sided captured, vertical SSG (Structural Silicone Glazed) or 4-sided SSG | 2-1/2" x 7-1/2" profile | Suitable for new construction or remodel | Fully tested including thermal and acoustic | Dual finish capabilities



Overhead Glazing

1600 S.G.™ (Slope 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



Kawneer Finishes

Permanodic® Anodized Finishes

Long-lasting, protective coatings resist abrasion, corrosion, UV rays
Available in Class I and Class II in seven different choices: Clear Anodized Class I (#14 Clear); Clear Anodized Class II (#17 Clear); Color Anodized Class I (#40 Dark Bronze, #29 Black, #28 Medium Bronze, #26 Light Bronze and #18 Champagne) | All Kawneer Permanodic® Finishes meet AAMA 611

Painted Finishes

Fluoropolymer Coatings – Enduring color with high performance and durability
Available in many standard choices and unlimited custom colors | These include Fluropon®* 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

Available in 31 standard colors | Interpon®** D2000 Advance Powder Coatings, which meet or exceed AAMA 2604 or 2605

* Fluropon is a registered trademark of The Valspar Corporation

** Interpon is a registered trademark of Akzo Nobel

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.

Kawneer Original Designs and Structures are fully protected by U.S. Patents and Patents Pending.

Other Products from Kawneer

Entrances & Framing 08 41 00/KAW; Windows 08 51 00/KAW in Sweet's.

For More Information

Visit our website at Kawneer.com for more detailed information, including the most current CAD libraries and Guide Specifications.

Cover photo:

Modified version of 1600 SS™ (Screw Spline)

Stockton Arena, Stockton, California

Architect: 360 Architecture, Kansas City, Missouri

Glazing Contractor: Carmel Architectural Sales, Anaheim, California

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