Features

- Innovative mounting design allows for multiple blade angles
- Tested for combined wind, snow and dead loads
- Multiple blade sizes ranging from 6” (152.4) to 14” (355.6) deep
- Screw spline construction
- Qualifies for up to 3 different LEED certification criteria
- Design allows for thermal expansion and contraction
- Permanodic™ anodized finishes in seven choices
- Painted finishes in standard and custom choices
- Shading performance can be analyzed by Solector™ Sun Shading Estimator Tool

Product Application

- Sunshading for storefronts
- Custom architectural aesthetics

For specific product applications, Consult your Kawneer representative.
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011

kawneer.com
Architects - Most extrusions illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand design flexibility. Please contact your Kawneer representative for further assistance.

**TRIFAB™ VG 451/451T/451UT DETAILS** ............................................... 4  
**TRIFAB™ 601/601T/601UT DETAILS** ............................................... 5  
**IR 501T/IR 501UT DETAILS** .......................................................... 6  
**splice joint / end cap details** .......................................................... 7  
**blade options** ............................................................................. 8  
**blade angle configurations** ............................................................ 9  
**load charts** ............................................................................... 10, 11

**Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.**

Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

The following metric (SI) units are found in these details:
- m – meter
- cm – centimeter
- mm – millimeter
- s – second
- Pa – pascal
- MPa – megapascal
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

NOTE:
Horizontal SunShades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow.

Trifab™ VG 451T Shown
451 and 451UT Systems Similar

NOTE: SEE PAGE 8 FOR SUNSHADE BLADE OPTIONS
HORIZONTAL BLADE WITH TRIFAB™ 601/601T/601UT
TYPICAL ELEVATION

NOTE:
Horizontal SunShades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow.

NOTE: SEE PAGE 8 FOR SUNSHADE BLADE OPTIONS
HORIZONTAL BLADE DETAILS (IR 501T/IR 501UT)

NOTE:
Horizontal SunShades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow.

NOTE: SEE PAGE 8 FOR SUNSHADE BLADE OPTIONS

IR 501UT Shown
IR 501T System Similar
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011

Versoleil™ SunShade - Single Blade System
SPLICE JOINT / END CAP DETAILS - STOREFRONT

B | BLADE |
---|---------|
A | SPICE SLEEVE |
   | INNER CAP |

B | BLADE |
---|---------|
A | SPICE SLEEVE |
   | INNER CAP |

OPTIONAL:
GAPS IN SPLICE JOINT CAN BE FILLED WITH SILICONE

Typical Splice joint for Thermal Expansion

SECTION A-A

Typical Splice joint for Thermal Expansion

SECTION B-B

ASSEMBLED VIEW

ASSEMBLED VIEW

kawneer.com

ADMG033EN
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011

8 Versoleil™ SunShade - Single Blade System
BLADE OPTIONS - STOREFRONT
JANUARY, 2017
EC 97911-120

BLADE OPTIONS - STOREFRONT

6" (152.4)

8" (203.2)

10" (254)

Note:
10" blade assembly requires two 482067.

12" (304.8)

Note:
12" blade assembly requires two 482068.

14" (355.6)

Note:
14" blade assembly requires two 482069.

Note:
10" blade assembly requires two 482067.

Note:
12" blade assembly requires two 482068.

Note:
14" blade assembly requires two 482069.
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011

Versoleil™ SunShade - Single Blade System

ANGLES FOR HORIZONTAL SINGLE BLADE APPLICATIONS
0° TO -35° ROTATION

NOTE:
MOUNTING BRACKET AND MOUNTING ARM ARE AVAILABLE IN PAINTED FINISH ONLY AND WILL BE FINISHED TO MATCH ANODIZED FINISH
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor. Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

Versoleil™ SunShade - Single Blade System

LOAD CHARTS - TRIFAB™ VG 451/451T/451UT/601/601T/601UT FRAMING SYSTEMS

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOADS OF THE BLADES. THEREFORE DEAD LOADS DO NOT NEED TO BE INCLUDED IN LOAD DETERMINATION. CHARTS ARE BASED ON A MAXIMUM LOAD ON THE ANCHOR BRACKET OF 250 LBS (113 KG). CHARTS ARE BASED ON BLADE DEFORMATION, STRESSES AND ATTACHMENT ONLY AND DOES NOT INCLUDE DEFLECTION AND STRESSES IN MULLION SUPPORT.

A = 6 INCH (152.4) BLADE
B = 8 INCH (203.2) BLADE
C = 10 INCH (254) BLADE
D = 12 INCH (304.8) BLADE
E = 14 INCH (355.6) BLADE

LOAD IN POUNDS PER SQUARE FOOT (PSF)
LOAD IN POUNDS PER SQUARE FOOT (PSF)
LOAD IN PASCALS (PA)
LOAD IN PASCALS (PA)

BRACKET SPACING (METERS)
BRACKET SPACING (METERS)
BRACKET SPACING (FEET)
BRACKET SPACING (FEET)

SINGLE SPAN HORIZONTAL AND VERTICAL
TWIN SPAN HORIZONTAL AND VERTICAL

BLADE LENGTH
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011

Versoleil™ SunShade - Single Blade System

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOADS OF THE BLADES. THEREFORE DEAD LOADS DO NOT NEED TO BE INCLUDED IN LOAD DETERMINATION. CHARTS ARE BASED ON A MAXIMUM LOAD ON THE ANCHOR BRACKET OF 350 LBS (157 KG). CHARTS ARE BASED ON BLADE DEFLECTION, STRESSES AND ATTACHMENT ONLY AND DOES NOT INCLUDE DEFLECTION AND STRESSES IN MULLION SUPPORT.

A = 6 INCH (152.4) BLADE
B = 8 INCH (203.2) BLADE
C = 10 INCH (254) BLADE
D = 12 INCH (304.8) BLADE
E = 14 INCH (355.6) BLADE

LOAD CHARTS - IR 501T/IR 501UT FRAMING SYSTEM

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOADS OF THE BLADES. THEREFORE DEAD LOADS DO NOT NEED TO BE INCLUDED IN LOAD DETERMINATION. CHARTS ARE BASED ON A MAXIMUM LOAD ON THE ANCHOR BRACKET OF 350 LBS (157 KG). CHARTS ARE BASED ON BLADE DEFLECTION, STRESSES AND ATTACHMENT ONLY AND DOES NOT INCLUDE DEFLECTION AND STRESSES IN MULLION SUPPORT.
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2011