

1600 SunShade®

Saving Energy,
Money and Time



Elmhurst Public Library, Elmhurst, IL
Architect: Lohan Associates, Chicago, IL
Glazing Contractor: Arcadia Products, Northbrook, IL

The addition of sunshades to buildings has frequently caused problems for contractors, costing money and time. Kawneer's 1600 SunShade® is the first sunshade which integrates easily into 1600 Wall System®1 or 1600 Wall System®5. Economical, easy-to-install and incorporating a variety of design choices, 1600 SunShade® can be used in a number of applications, both in single-story and multi-story structures.

Aesthetics

In addition to shading interiors and conserving energy, 1600 SunShade® provides a number of texture and design elements for your building, meaning you won't have to compromise style for substance. Outriggers (brackets), for example, which complement the building shape and structure, are available in several shapes. Louvers can be air foil (wing-shaped), cylindrical, square or flat. And fascias or outermost elements can be rounded, square or air foil.

Economy

1600 SunShade® is pre-engineered and easily assembled using screw spine joinery, then attached to a channel that is bolted to the 1600 Wall vertical mullion. The result is a 30-inch projection from the face of the glass, providing generous shade for interiors of both small and large buildings.

The considerable savings in fabrication and attachment time compared with custom sunshades creates economies in budgets and construction schedules. In turn, these savings allow for the use of sunshades on even the most modest of structures.



Colorado Plains Medical Center,
Fort Morgan, CO
Architect: Davis Partnership
Architects, Denver, CO
Glazing Contractor: El Paso Glass-
Denver, Inc., Aurora, CO

Performance

The anchorage design is capable of handling 60 psf combined vertical load of wind and snow based on attachment points of five feet on center. For loading or attachment conditions greater than this, please consult with your Kawneer representative regarding a design solution.

Energy Savings

The 1600 SunShade® reduces the solar heat gain on the glazing, thus lowering cooling costs, a benefit acknowledged by the International Energy Conservation Code. The reduction is measured by the projection factor, a function of the horizontal projection and height of the window, which takes into account the shading effect, thus reducing the dependence on glass coatings alone to manage the solar heat gain.

LEED Credits

Credits are given for providing building occupants a connection between indoors and the outdoors through the introduction of daylight and views into occupied areas of the building. The 1600 SunShade® can assist in achieving maximum daylighting while minimizing direct sunlight penetration and solar heat gain.

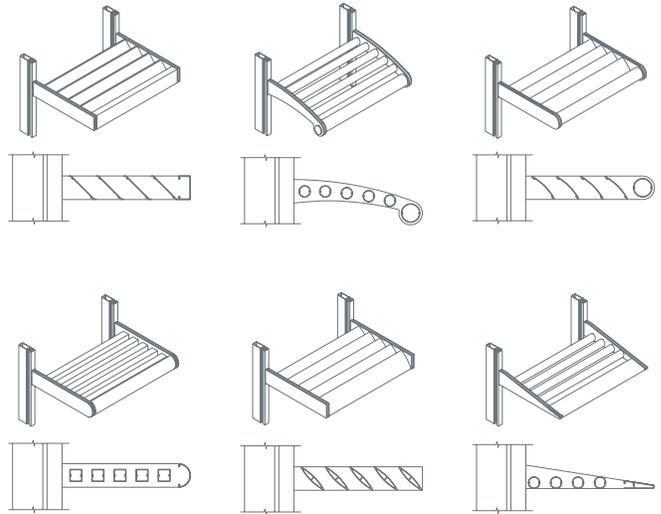
For the Finishing Touch

Permadonic Anodized finishes are available in Class I and Class II in seven different colors.

Painted Finishes, including fluoropolymer that meet or exceed AAMA 2605, are offered in many standard choices and an unlimited number of specially-designed colors.

Solvent-free powder coatings add the “green” element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

These drawings illustrate just a few of the ways 1600 SunShade® outriggers, louver blades and fascias can be combined to create an almost infinite variety of design elements.



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