

Series 8400TL Architectural Windows

An Opening to the
World that Redefines
Window Versatility



Converse Hall, James Madison University, Harrisonburg, VA
Architect: Moseley Harris & McClintock, Harrisonburg, VA
Glazing Contractor: Glass & Metals Inc., Harrisonburg, VA

Today, energy concerns are critical and the 8400TL series provides the flexible balance between energy efficiency, aesthetics and performance. As LEED certifications gain popularity, consider the 8400TL as the window of choice to achieve potential points in the Indoor Environmental Quality category. Whether your project is new construction, building renovation, or adaptive reuse of a historic gem, the Kawneer 8400TL series fits the opening.

Here is a thermal window you can have your way, be it fixed, offset fixed, single hung, double hung, or horizontal sliding. You may choose a frame option with or without true, applied or between-the-glass muntins as well as optional insect screens. All are available with tested and proven tough finishes and heavy duty hardware.

Aesthetics

Gone are the days of compromise. The Kawneer Series 8400TL window returns design versatility to the architect, whether it's for new or remodel construction, while still efficiently satisfying the needs of building owners. A variety of exterior pannings and interior trims are available. And with a four-inch frame depth, the window takes on a whole new dimension. The 8400TL series window easily accommodates a glass infill thickness of 1/4", 9/16" impact, or 1". In fixed windows, an infill thickness of up to 1-1/2" is available.

To maintain historic authenticity, sash profiles on the 8400TL windows are available with a beveled face using a muntin grid system that replicates exterior putty glazing, making them ideal for remodel or new construction. The hardware used in the operation of the 8400TL series meets the challenge of any task required. For its appearance and durability, high quality cast white bronze sweep locks are standard. Optional automatic sash locks are also available.



Performance

Performance is not an option in the 8400TL series, it's the standard.

Kawneer thermal breaks deliver. So, we made them standard in every frame and sash of the 8400TL series. Using a combination of the Kawneer IsoLock® Pour and Debridge process, each break or separation is mechanically attached by lancing or preconditioning the thermal pockets. The 8400TL series has superior reduction of thermal transmittance and increased condensation resistance. The IsoLock® thermal break virtually eliminates shrinkage and prevents loss of adhesion. To uphold expected performance levels, the standard recommendation on 8400TL windows is factory glazed.

To ensure a strong, weather-tight joint, the sashes are assembled with stainless steel screws in coped and butt type construction. The top and bottom sash stiles run through with interlocking meeting rails which are double weather-stripped. For easy opening, continuous sash lifts are standard along with block and tackle balances for simple operation. The 8400TL series is ideal for extra heavy duty applications when added strength and security are critical.

Class & Grades

Fixed	F-HC100 / F-AW100
Single Hung	H-HC70 / H-AW70
Double Hung	H-HC70 / H-AW70
Horizontal Slider	HS-HC70 / HS-AW70

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