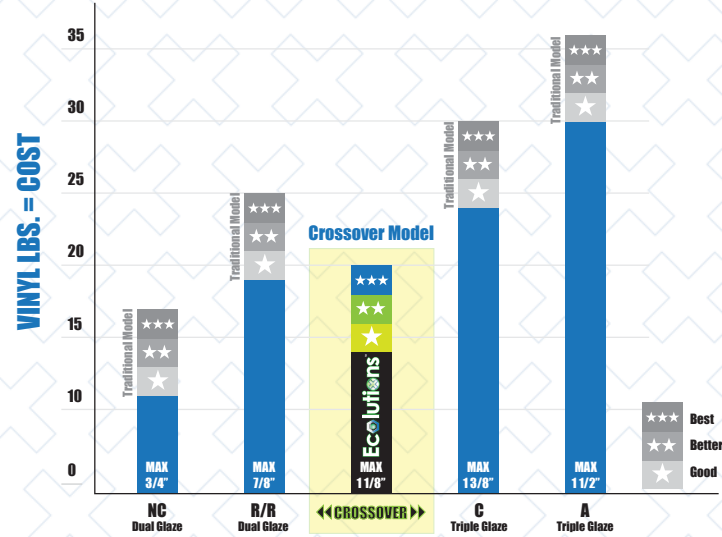
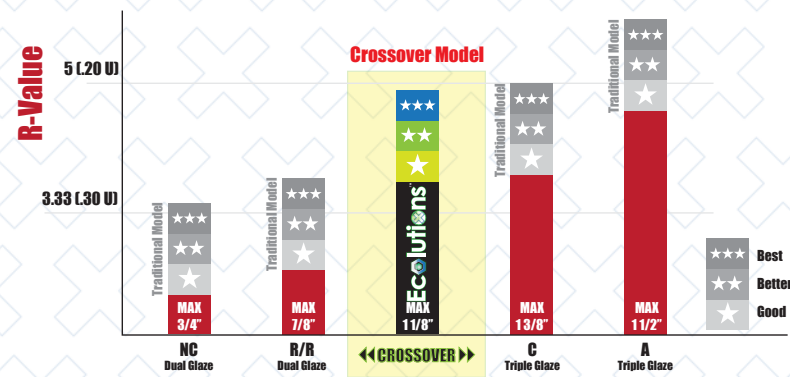


# Ecolutions®

The Ecolutions window has been fully designed to function in all geographic locations. The Ecolutions design team integrated product flexibility by analyzing all thermal requirements and installation methods for both new construction, replacement and light commercial markets. There are versions of this product for all territories in North America including multiple frame depths and nail-fin setbacks, as well as a flush flange product for the West coast.



Looking at the traditional "go to market" models that most fabricators utilize when selling their products, you will see that the good, better, best scenario is the most predominate. Manufacturers that compete in the new construction market alone have lighter weight products, typically starting with single hung and single slider operator types, which means less vinyl and typical IG units that are 3/4" dual pane. Manufacturers that reside in the replacement and retrofit markets (7/8" IG, Dual Pane) typically have heavier products and face increasing cost pressures from competitors while thermal performance criteria is becoming more stringent. This supports the need for a lower weight, better performing window that can crossover into different markets in order to reduce product SKU's and reduce costs for the fabricator.



The past 5 years in glass technology have been focused on obtaining even higher performance window ratings with the introduction of triple glazed units. These thermally efficient IG's have been predominate in the commercial and architectural aluminum markets for several years. This is mostly due to the smaller glazing pockets in traditional residential products as well as inappropriate hardware accommodations to handle the weight of triple and quad glazed unit. Now, with the introduction of the Crossover class from VEKA, dual or triple glazed units can be produced in the same window system for the residential and light commercial markets.

## Ecolutions® Performance Summary

Glass Configuration	U Value	R Value
Low-E/Argon/Dual	.27	3.70
Low-E/Argon/Dual Surface 4	.24	4.16
Double Low-E/Argon Triple	.20	5.0
Double Low-E/Krypton/Triple	.16	6.25

Ecolutions Structural Performance Summary	
Air Infiltration@25mph	.15 cfm/ft²
Water Penetration	7.5 psf
Uniform Loads	+/- 75.0 psf
AAMA Rating:	R-PG50-H

## Pinnacle®

Performance Color Solutions by VEKA

### Bold Color Laminates

There is a world of possibilities for enhancing the curb appeal of your home or business with color laminates. Choose from 10 distinctive colors that look as rich as an actual painted surface.



### Rich Woodgrain Appearance

The natural appearance of woodgrain laminates looks as good as it performs. Your windows will have the natural appearance of real wood in color, texture and richness. Choose from 11 different woodgrains to the decor of your home or business.



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 VEKA Outdoor Living Visit [www.veka.com](http://www.veka.com) • [www.vekaolp.com](http://www.vekaolp.com) • [www.vekadeck.com](http://www.vekadeck.com)  
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# Ecolutions®



The New Era of Windows has Begun

# Ecolutions®

A VEKA Crossover Window

## KEY OPTIMAL CROSSOVER FEATURES

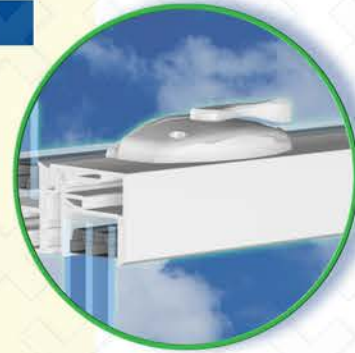
- Integral accessory grooves
- Low profile dedicated head
- Decorative integral j-channel/fin combo
- 1 1/8" IG optimized for triple glazing and allows for contoured internal muntins
- Exterior glazed sash
- 3 1/4" depth of frame
- Equal and unequal configurations
- New construction and replacement designs
- Lower weight than comparable systems
- Triple weatherseal at head, sill and interlock



Decorative J-Channel and Nail fin for new construction configuration

## MAXIMUM U-VALUE PERFORMANCE

- Multiple tilt-latch and lock options
- Overlapping sash to maximize visible glass space
- Integral interlock on keeper rail
- Double wall at lock rail for secure lock attachment
- Beveled sash design for SDL flush grid/sash alignment



Integral security interlock and surface or recessed lock configurations available



VEKA introduces a new window and door category, referred to as a VEKA Crossover window, to meet the demands of EnergyStar®. A VEKA Crossover window is defined as an optimized, highly thermally efficient product that benefits from unique design features and weight matrix that will expand on the good, better, best scenario that most window fabricators go to market with today.

The first branded product in this class is Ecolutions by VEKA. This Crossover class of product is designed specifically with optimized weight attributes in mind while achieving optimal thermal performance.

Muntins between the glass, which are commonly requested, can negatively affect performance due to diminished airspace. Ecolutions utilizes a 1 1/8" glazing pocket to allow for triple pane IG's which have the ability to take advantage of a decorative internal muntin system without diminishing thermal efficiency. This IG width allows for optimal air space while providing the highest in thermal efficiency. Ecolutions can also utilize a 1", 7/8" or 3/4" IG unit.



Double Slider Optimally Configured

## FEATURES THAT MAKE A DIFFERENCE

- Clean interior face with optimized dam leg height for DP50 performance with egress
- Double wall glazing tower
- Full box pivot bar housing
- Integrated negative pressure pocket with anti-crash lead-in
- Jamb adjuster pocket on frame
- Sloped sill and pocket sill configurations
- Double wall frame support to resist bowing within opening
- Compact sill leg & screen track that resists rippling/warping



This seal signifies that this product is optimally designed to achieve the highest performance grade for this class of product when manufactured to VEKA specifications and standards, and can be optimized to achieve Energy Star® Most Efficient.

Available in 3 Extruded Colors



The Ecolutions Crossover window is available in a complete family of operator types in both new construction and replacement models including; double hung, single hung, single slider, double slider, casement, picture window and patio door.

\*Please contact VEKA for specific configurations and performance criteria for EnergyStar®

[www.vekainc.com/ecolutions](http://www.vekainc.com/ecolutions)

