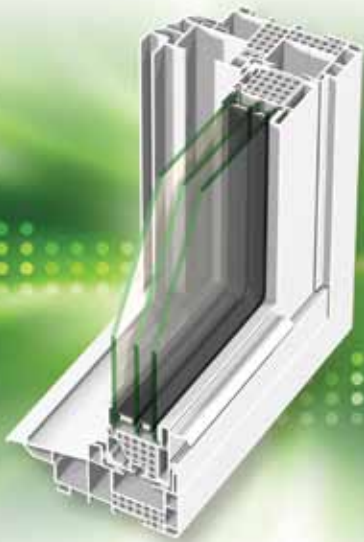


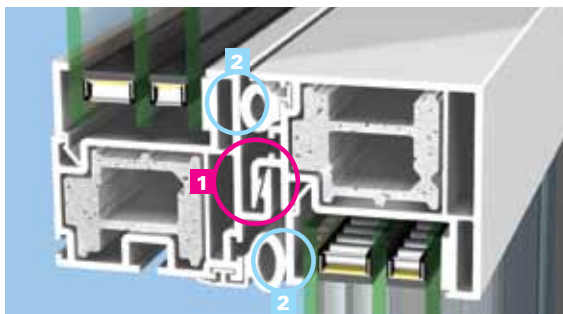
# SUPERIOR ENERGY-PERFORMANCE FUSION INSULATED WINDOW SYSTEM™



## KEY SYSTEM BENEFITS

EnergyCore™ is an innovative, patent-pending window system with Fusion Insulated Technology™ that offers superior thermal performance and greater energy savings. It's key features include:

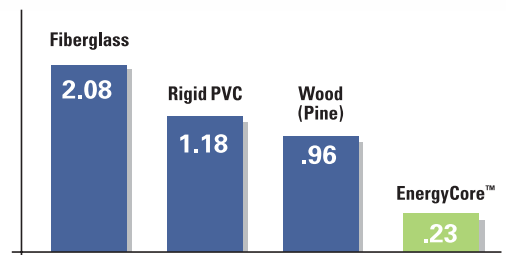
- Thermally superior, patent-pending AirCell™ design
- Thermal modeling optimized insulation placement
- Insulation fused profiles
- Superior air infiltration design
- Triple glazing sash capacity; Dual IG option
- Fully recyclable
- Fully weldable to enhance corner strength
- Bendable



1 : Interlocking sash design creates an engineered air barrier  
2 : Multiple weatherstrip contact points block air infiltration

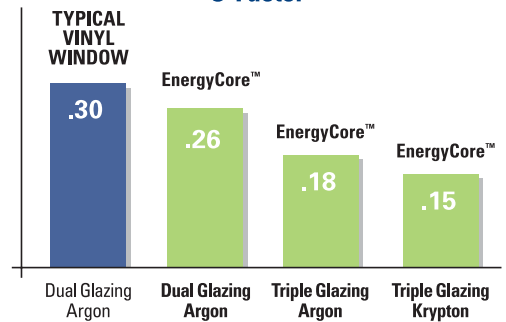
## Superior Material Performance

### Thermal Conductivity (K-Value)

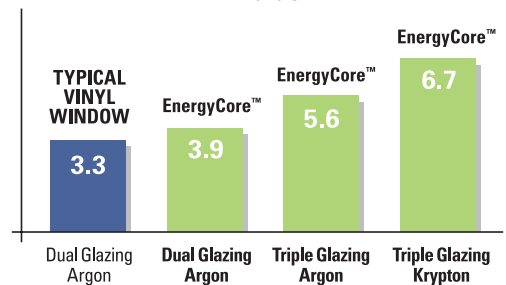


## Superior Energy Performance

### U-Factor\*



### R-Value\*



\*FULL WINDOW, TDA, LowE Duralite™ SPACER

### FUSION INSULATED SYSTEM

The patent-pending, fusion-insulated technology called AirCell™, insulates better and offers a wide range of product advantages.

AirCell™	Manual Foam-Filled
• Thermally bonded to extrusion = efficient manufacturing	• Secondary manual fill = higher labor costs
• 100% profile fill = superior insulating	• Incomplete Fill voids/gaps = less efficient insulation
• 100% PVC = fully weldable	• Non-PVC material insulation = non-weldable
• 100% Recyclable = no landfill waste	• Non-recyclable = potential landfill waste
• Welded corners = better insulating	• Not weldable = inefficient insulating ability
• Saves labor/cleanup = cost savings	• Labor intensive/generates scrap and requires cleanup = increased costs

### MIKRONBLEND™ VINYL

Mikron's proprietary vinyl compound is optimized for weathering, durability and color retention. It contains a unique blend of stabilizers, T102 and specialty resins. Nearly all light penetration is blocked to minimize UV penetration and thus, decrease degradation and surface yellowing.



Actual, unaltered photo of samples after 1 year equivalent UV accelerated weathering Xenon-Arc.

To learn more about Mikron, visit [www.mikronvinyl.com](http://www.mikronvinyl.com)

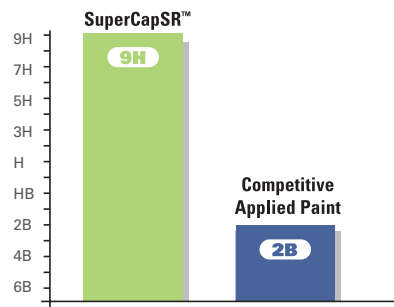
### SUPERCAPSR™ EXTERIOR COLOR TECHNOLOGY

Mikron's innovative patent-pending SuperCapSR™ is a result of military infra-red reflective technology, which reflects 76% of infrared light to reduce solar heat and prevent heat-related profile distortion.

The integral, fused color layer provides superior durability and scratch resistance (12x harder and more durable than paint).

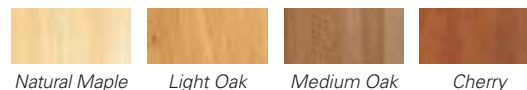
In accelerated color change tests (equivalent to six years of outdoor exposure in Arizona), SuperCapSR's 5E rating exhibits superior weathering and meets AAMA 615 commercial-grade specification.

#### Pencil Hardness Scale



### INTERIOR LAMINATES

• Enhanced wood veneer options



### AVAILABLE SYSTEM PRODUCTS

- Double Sliding Window
- Casement Picture Window
- Picture Window
- Tilt Double Hung Window
- Milling profiles for combination windows
- SDL styles and accessories
- Sash and frame components are designed to accommodate heavier, high-performance triple (1-1/8") or dual (3/4") insulated glazing units.