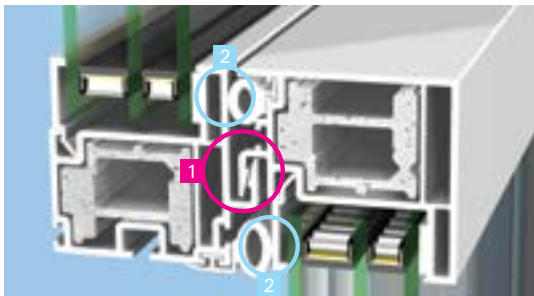


**KEY SYSTEM BENEFITS**

EnergyCore<sup>®</sup> is an innovative, patent-pending window system with Fusion Insulated Technology™ that offers superior thermal performance and greater energy savings. Its key features include:

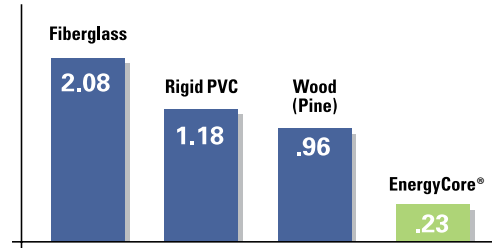
- Thermally superior, patent-pending AirCell™ design
- Thermal modeling optimized insulation placement
- Insulation fused profiles
- Superior air infiltration design
- Triple glazing sash capacity; dual IG option
- 100% recyclable
- Weldable to enhance corner strength
- Bendable



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

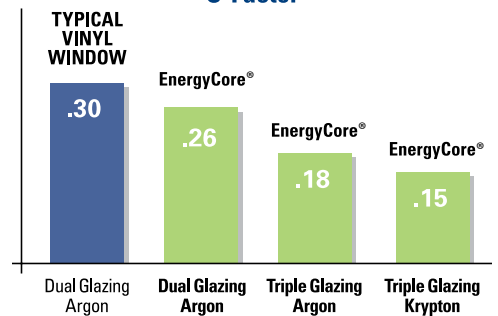
**Superior Material Performance**

**Thermal Conductivity (K-Value)**

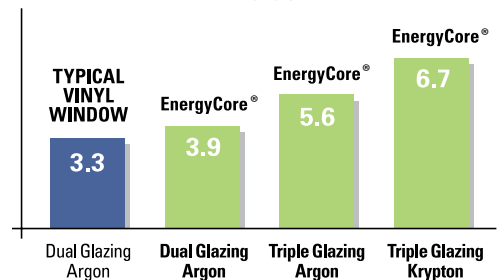


**Superior Energy Performance**

**U-Factor\***



**R-Value\***



\* Full window performance, with LowE glass and Duralite<sup>®</sup> spacer.



## Fusion Insulated System™

### 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

Quanex's proprietary vinyl compound is optimized for weathering, durability and color retention. It contains a unique blend of stabilizers, TiO2 and specialty resins. Nearly all light penetration is blocked to minimize UV penetration, and thus decrease degradation and surface yellowing.



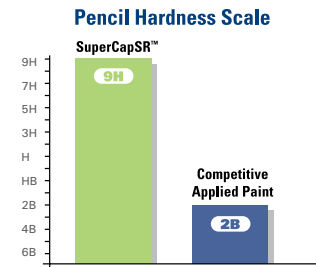
Actual, unaltered photo of samples after 1 year equivalent UV accelerated weathering via Xenon-Arc.

### SUPERCAPSR™ EXTERIOR COLOR TECHNOLOGY

Quanex's innovative patent-pending SuperCapSR™ is drawn upon military infrared heat-reflective technology. It reflects 76% of infrared light to reduce vinyl profile heat gain.

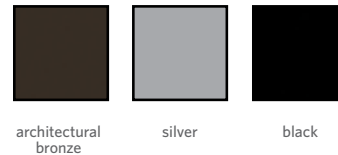
The integral, fused color layer provides superior durability and scratch resistance (12x harder and more durable than paint).

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 (an FGIA standard) commercial-grade durability specification.



### COLORS

SuperCapSR™ exterior colors:



Due to printing limitations, actual color may vary from printed color. View actual color samples before making color decisions.

### AVAILABLE PRODUCTS

- Double Slider
- Casement
- Picture Window
- Tilt Double Hung
- Mulling profiles for combination windows
- Simulated Divided Lite styles and accessories
- For exceptional insulating performance, sash components are designed to accommodate the highest-performance triple (1-1/8") or dual (3/4") insulated glass units.

