

R-5

Highly Insulating

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Advanced Window Corp.

GREEN starts with ENERGY



What Builders Need to Know

Windows have traditionally been a large source of heat loss within buildings. Substantial improvements have been achieved with insulating glass and low-E coatings, but the potential for even greater heating energy savings with highly insulating windows still remains largely untapped.

What are Highly Insulating Windows?

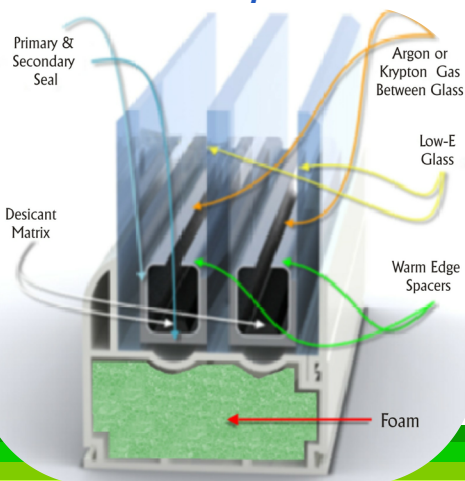
Highly insulating windows with a whole window R-value of 5 (a U-factor of around 0.2) are the top tier of energy efficient windows for cold and mixed climates available today. This compares to common ENERGY STAR® windows with an R-value of 3. Increasing the R-value from 3 to 5 reduces average heat loss through the windows by 40%.

R-5 Windows for Big Energy Savings

Windows in the US account for 30% of building heating and cooling energy, representing an annual impact of 4.1 quadrillion BTU (quads) of primary energy. Windows have an even larger impact on peak energy demand and on occupant comfort.

- In cold and mixed climates, R-5 windows offer significant energy savings.

R-5 Optimized Window Thermal Design



Triple Glass with Argon/Krypton - Gas Mix

Dual Low-E Design - 2 Surfaces

Warm Edge I.G. Spacer Technology

- Low Conductivity Stainless Steel Ultra Spacer® or Superspacer®
- 100% virgin multichamber vinyl profiles
- **Optional Foam-FOAMSEAL® E-Z FILL®** Technology for even better thermal insulation



Energy Efficient Windows for Big Energy Savings!