As easy as ordering ProVia products!

Entry Doors        Sidelites & Transoms        Patio Doors        Windows

Staying Comfortable

What do you need to know about insulated glass?

**ComforTech TLK**
- R-VALUE OF 9
- User Choice Warm Edge Glazing System
- Extreme energy savings in a triple glazed unit
- High Performance Low-E coating is applied to two panes of glass
- Both insulating chambers are filled with Argon gas

**ComforTech TLA**
- R-VALUE OF 9
- User Choice Warm Edge Glazing System
- Extreme energy savings in a triple glazed unit
- High Performance Low-E coating is applied to two panes of glass
- Both insulating chambers are filled with Argon gas

**ComforTech DL**
- R-VALUE OF 9
- User Choice Warm Edge Glazing System
- Extreme energy savings in a triple glazed unit
- High Performance Low-E coating is applied to two panes of glass
- Both insulating chambers are filled with Argon gas

**ComforTech DC**
- R-VALUE OF 9
- User Choice Warm Edge Glazing System
- Extreme energy savings in a triple glazed unit
- High Performance Low-E coating is applied to two panes of glass
- Both insulating chambers are filled with Argon gas

Compare R-Values*

<table>
<thead>
<tr>
<th>R-Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-2</td>
<td>Baseline double glazed package</td>
</tr>
<tr>
<td>R-4</td>
<td>Enhanced double glazed package</td>
</tr>
<tr>
<td>R-6</td>
<td>Enhanced double glazed package</td>
</tr>
<tr>
<td>R-9</td>
<td>Ultimate double glazed package</td>
</tr>
</tbody>
</table>

*Center of glass calculations are based upon software from Lawrence Berkeley National Laboratory.

**Also available:**

**Glass with increased UV Protection!**

Cooler in Summer & Warmer in Winter:

SHGC* for DLA-UV is 66% better than clear glass and 35% better than DLA.

Increased Fade Protection:

DWT** for DLA-UV is 43% better than clear glass and 23% better than DLA.

Glass with increased UV Protection!

- SHGC = Solar Heat Gain Coefficient.
- DWT = Damage Weighted Transmittance, is calculated according to a function called Tdw-ISO, developed by the International Standards Organization (ISO) and published by the International Commission on Illumination (CIE), the world’s leading technical organization on lighting and illumination. The Tdw-ISO calculation measures fading risk from solar radiation across the entire solar light spectrum, from Ultra-Violet light (280-380 nanometers) through visible light (390-780 nanometers). According to the CIE standard, which is considered more comprehensive than Ultra-Violet rating alone, our UV glass packages can minimize fading damage across the entire solar spectrum more effectively than glass designed primarily to block Ultra-Violet light.

- All calculations based on 7⁄8” thick, double glazed, single strength IG units using NFRC methodology with Lawrence Berkeley National Laboratory’s Window 6.3 software.

www.proviaproducts.com

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P-MK-09005-11 • 9/11 5M - C
We construct our glass... THE PROFESSIONAL WAY

Creating comfort through technology.

Energy Efficiency
The Glass

Durability
Appearance...leads to Optimized Glass Performance

In Entry Doors, Patio Doors and Windows

All our ComforTech products have passed stringent testing and are IG Certified to insure our seals will last a lifetime. We guarantee it!

The Space
Gas fills measurably improve thermal performance of any glazing system.

Argon Gas:
- lower conductivity insulates better than air
- airlight stable, non-corrosive and nontoxic
- chemically inert to UV radiation

Krypton Gas:
- better conductivity of any gas used
- raise the inner glazing temperature
- inert to glass coatings, heat and spacers
- perform best in small chambers, therefore we recommend Krypton gas fill in our ComforTech™ region glazing unit.

The Edge
16.6° F - temperature at the edge of the glass

The Certification
The ENERGY STAR® Program was created by the U.S. Department of Energy and the U.S. Environmental Protection Agency to make it easy for consumers to choose the most energy-efficient products. The ENERGY STAR label given by the U.S. EPA and the U.S. DOE identifies NFRC certified products that exceed federal energy efficiency standards.

The Rating
National Fenestration Rating Council (NFRC) is a non-profit, public/private organization created by the window, door and skylight industry. NFRC’s primary goal is to provide accurate information to measure and compare the energy performance of window, door or skylight systems.

Is Less Condensation Important?

In winter, many people humidity their homes. If they don’t, health and complaints would suffer. However, increasing humidity can cause window condensation. Condensation can be caused by traditional, high-conductivity metal spacers, leading to lower perimeter edge temperatures.

- Juvenile health problems have been linked to mold
- Over time, will stain wood, peel paint and rot frames
- Causes or contributes to mold growth
- Looks unattractive

What is The Solution? The No-Metal Advantage!

Keep the moisture off the glass, through the warmest inside surface temperatures possible.

Durability
The Seal

The P-1 test is considered to be the world’s toughest durability test. All units are put into three boxes and are continuously exposed to 100°F, 96-98% humidity, and condensation for a period of one year. Each week of testing is equivalent to one year of field use.

Appearance
The Performance

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Benefits of Our No-Metal Advantage

- Keeps the moisture off the glass
- Raising in edge up to 6° F warmer temperature at the edge of the glass
- Less condensation and increased comfort
- Increased energy efficiency and comfort
- Reduces the formation of mold
- Superior appearance
- Improved performance

The No-Metal Advantage

- No metal, no mold
- Better performance
- Improved comfort
- Increased longevity
- Improved energy efficiency
- Better appearance

The Best Psi

Visual Light Transmittance
Solar Heat Gain
Condensation Resistance
U-FACTOR
Energy STAR Products Offer You:
- Savings on heating and cooling costs
- More comfort in your living space
- Added value to the appraisal of your home

The No-Metal Spacer Advantage

- 100% inert to glass coatings, heat and spacers
- Lowest conductivity of any gas used
- Does not contribute to U-FACTOR
- Increases energy efficiency
- Increases comfort
- Increases window performance
- Increases durability
- Increases appearance
- Inert to UV radiation
- Sunlight stable, non-corrosive and nontoxic
- No additional cost

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