

ComforTech[™]

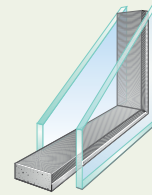
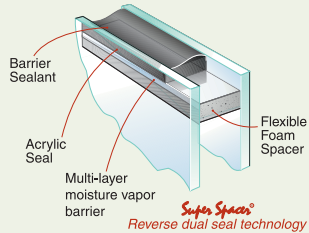
Warm Edge Glazing Systems

The Clear Choice for Insulated Glass

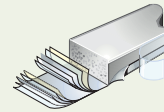


We construct our glass... THE PROFESSIONAL WAY

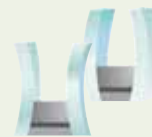
ComforTech™
Warm Edge Glazing Systems



The
NO-Metal
Advantage



Mylar
10-Layer
Vapor Barrier



Withstands
Normal
Bowling



Enhanced
Noise
Reduction

Energy Efficiency
Durability
Appearance ... lead to

Optimum Glass Performance
in Entry Doors, Patio Doors and Windows

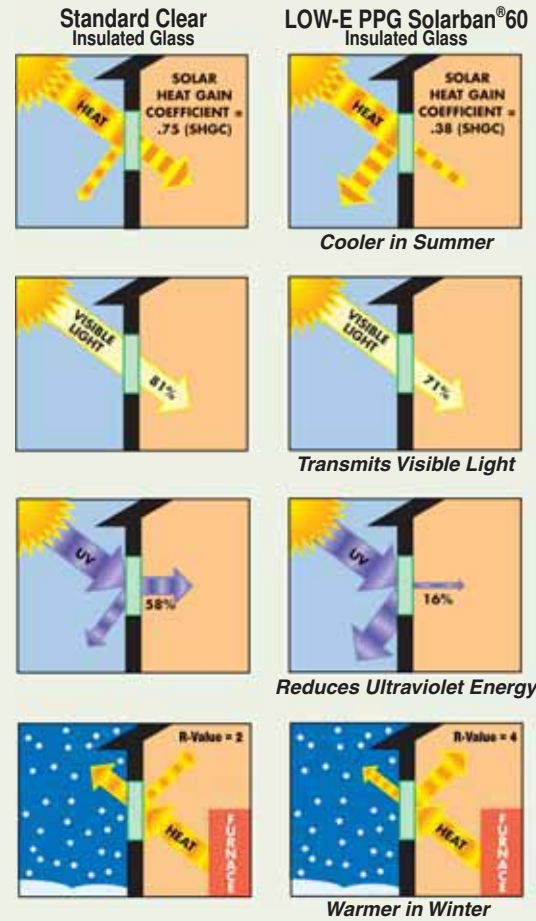


Creating comfort through technology.

Energy Efficiency

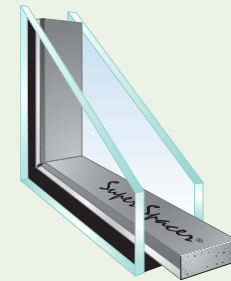
The Glass

Compare!



The Space

Gas fills measurably improve thermal performance of any glazing system.



Argon Gas:

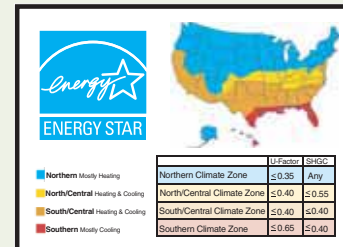
- inhibits radiant heat transfer & sound waves
- sunlight stable, non-corrosive and nontoxic
- chemically inert to UV radiation

Krypton Gas:

- lowest conductivity of any gas used
- raises the inner glazing temperature
- inert to glass coatings, heat and spacers
- performs best in small chambers, therefore we recommend Krypton gas fill in our ComforTech™ triple glazed units

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.

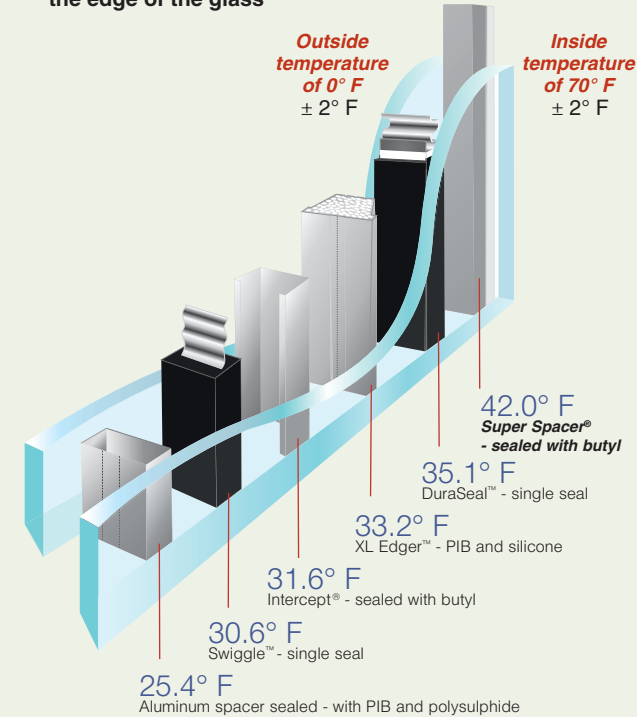


ENERGY STAR Products Offer You:

- **Savings** on heating and cooling costs
- More **comfort** in your living space
- Added **value** to the appraisal of your home

The Edge

Up to **+16.6° F** warmer temperature at the edge of the glass



Simulations performed by Enermodal Engineering, Ltd. using Window 5.2 and Therm 5.2 as per NFRC 100-2001. All air spaces are .500" wide. IGUs are 24" x 48", with Low-E glass.

Super Spacer® is a registered trademark of Edgetech I.G. Inc.
DuraSeal™ is a trademark of TruSeal Technologies, Inc.
XL Edge™ is a trademark of Cardinal Glass Industries
Intercept® is a registered trademark of PPG Industries, Inc.
Swiggle® is a registered trademark of TruSeal Technologies, Inc.

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.



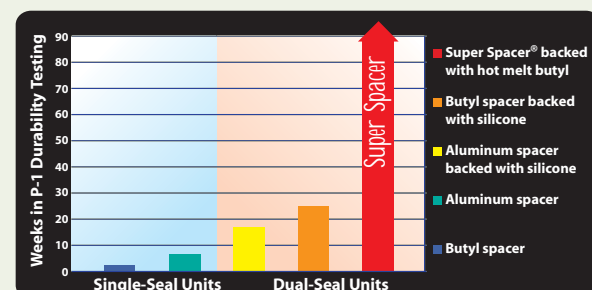
NFRC Label Displays:

- **U-FACTOR:** How well a window or door keeps heat inside a building
- **Visible light transmittance:** How much light gets through a product
- **Solar heat gain:** A product's ability to block warming caused by sunlight
- **Air leakage:** Heat loss and gain by infiltration through cracks in the window or door assembly

Durability

The Seal

The P-1 test is considered to be the world's toughest durability test. All units are put into hot boxes and are continuously exposed to 140° F, 95-100% humidity and constant UV bombardment. Each week of testing is equivalent to one year of field use.



Appearance

The Performance

Is Less Condensation Important?

In winter, many people humidify their homes. If they didn't, health and complexions would suffer. **However, increasing humidity can cause window condensation.**

Condensation can be caused by traditional, highly-conductive 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 unsightly



Window condensation fuels mold growth.



Magnified mold
Poorly built or installed windows and entry doors are a prime indoor mold source.

What is The Solution? The NO-Metal Advantage!

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

Full Metal Spacer

With conventional metal spacers, condensation is a fact of life.



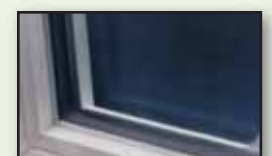
Less Metal Spacer

Mid-performance spacer systems that still contain metal improve condensation resistance.



NO-Metal Super Spacer®

All-foam design dramatically reduces interior condensation, delivering a clear view.



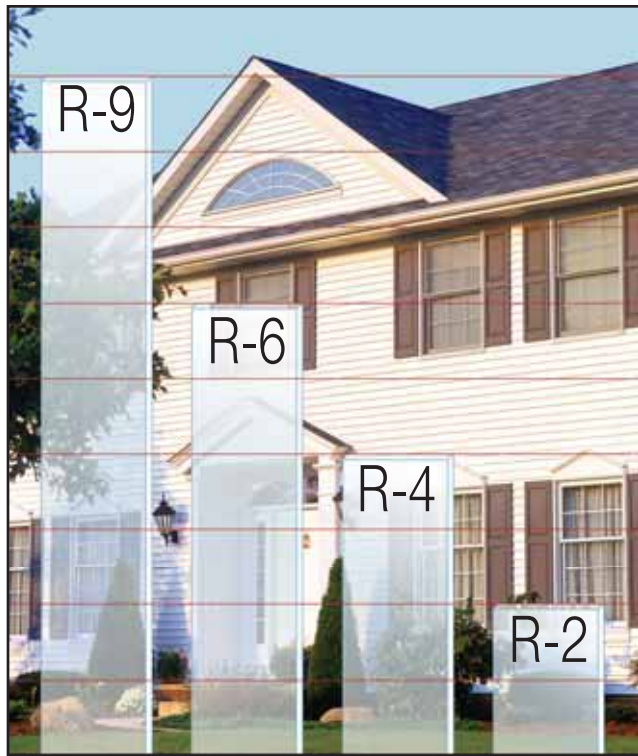
Staying Comfortable

What do you need to know about insulated glass?



Compare R-Values*

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



ComforTech™ TLK ComforTech™ TLA ComforTech™ DLA ComforTech™ DC

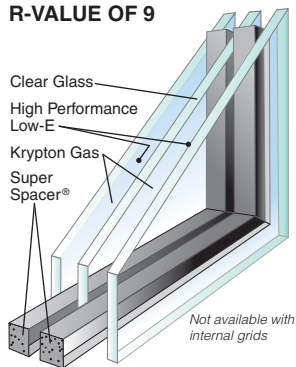
A Glazing System for Every Environment

As easy as ordering ProVia Door products!

- Entry Doors
- Sidelites & Transoms
- Patio Doors
- Prestige™ Vinyl Sliding Patio Doors
- Integra® Vinyl Replacement Windows
- Aluminum Replacement Windows

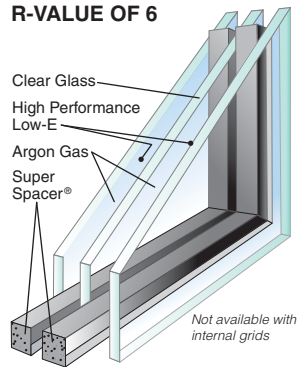
Each of our glazing packages create comfort through **Warm Edge Technology**

ComforTech™ TLK R-VALUE OF 9



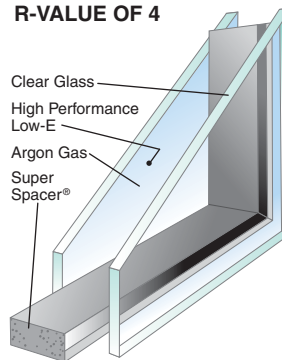
- Ultimate energy savings in a **triple glazed** unit
- **High Performance Low-E coating** is applied to **two panes** of glass
- Both insulating chambers are filled with **Krypton gas**

ComforTech™ TLA R-VALUE OF 6



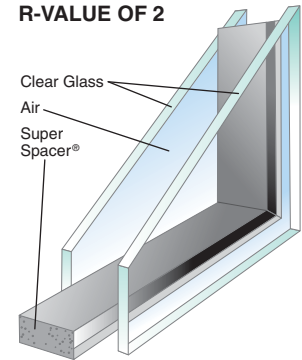
- Combat colder weather with **triple glazing**
- **High Performance Low-E coating** is applied to two panes of glass
- Both insulating chambers are flooded with **Argon gas**

ComforTech™ DLA R-VALUE OF 4



- Enhanced **double glazed** package
- **High Performance Low-E** glass coating applied on one pane
- Space is flooded with **Argon gas**

ComforTech™ DC R-VALUE OF 2



- Baseline **double glazed** package
- **Air space** acts as insulator



www.proviadoor.com