

# Insulated Glass

## for Residential Glass Applications

Summer heat increasing your electrical bill? Heating costs taking its toll on your expenses? Glaz-Tech Industries fabricates energy-efficient insulating units for residential applications to help you conserve energy and save money. Levels of performance and appearances are customized to meet the client's request to battle hot or cold temperatures that will help create and maintain a pleasant atmosphere indoors. Choose from several low-e coatings that will keep you cool during summer and warm during winter.



### Characteristics

- Saves on heating and cooling by reducing air-to-air heat transfer.
- Improves the energy efficiency of your home while reducing the amount of energy being used.
- Increases personal comfort and aids in energy conservation.
- Minimizes sound transmission.
- Highest condensation resistance.
- Fabricated with primary & secondary seal to maximize sealing properties.
- Custom fabrication in conjunction with various low-e products.
- Customized IG's for areas with hot or cold climates.



GLAZ-TECH INDUSTRIES  
DESIGN THROUGH GLASS

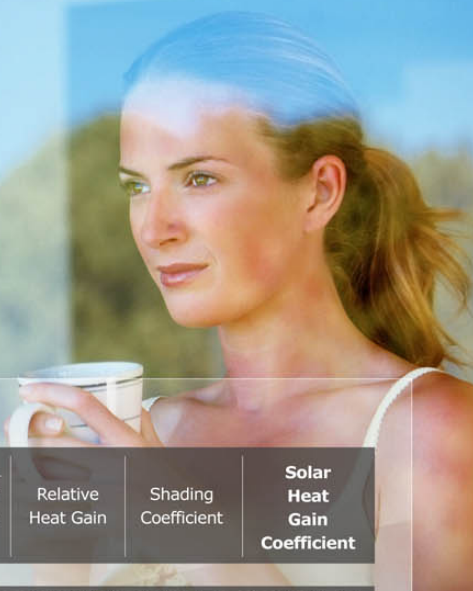
[glaztech.com](http://glaztech.com)



Keeping You Cool During Summer.  
Keeping You Warm During Winter.



glaztech.com



### Performance Data

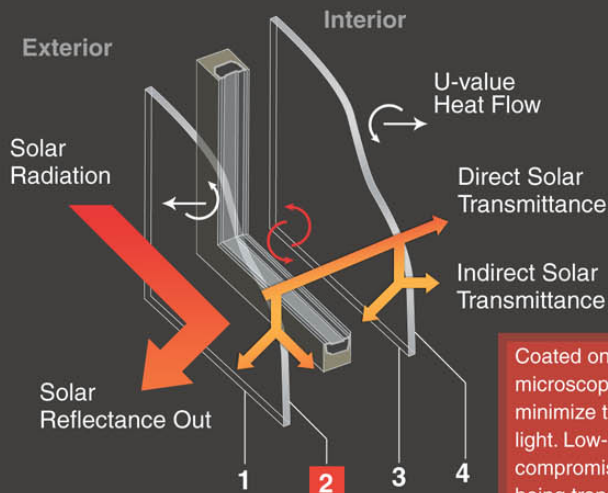
Product	Outboard Substrate	Transmission			Reflectance			U-Value		Relative Heat Gain	Shading Coefficient	Solar Heat Gain Coefficient
		Visible Light %	Ultra-violet %	Total Solar Energy %	Visible Light Out%	Visible Light In%	Total Solar Energy %	Winter Nighttime	Summer Daytime			
<b>Residential Low-E</b>												<b>3 mm / 12 mm a.s. / 3 mm ( Coating #2 Surface Unless Otherwise Specified )</b>
<b>RLE 55/27 (Guardian)</b>	Clear	<b>55</b>	18	24	12	17	37	0.29	0.27	68	0.32	<b>0.28</b>
<b>RLE 70/36 (Guardian)</b>	Clear	<b>70</b>	30	34	11	13	40	0.29	0.28	88	0.42	<b>0.37</b>
<b>Comfort E2 (AGC)</b>	Clear	<b>76</b>	45	60	15	17	14	0.35	0.35	155	0.75	<b>0.66</b>
<b>Sungate 500 (PPG)</b>	Clear	<b>76</b>	49	61	17	18	15	0.35	0.35	157	0.76	<b>0.66</b>

For further inquiries on Low-E or tinted and reflective coatings please contact your local GTI Facility.

- SN ( Super Neutral ) is a product manufactured by Guardian Industries
- Comfort E2 is a product manufactured by AGC Flat Glass
- Sungate is a product manufactured by PPG Industries

Guardian, AGC, and PPG reserve the right to change product performance characteristics without notice or obligation. Please contact your local sales representative for product availability as they may vary from each Glaz-Tech branch. Performance values for additional low-e products are available online at [www.glaztech.com](http://www.glaztech.com).

### Solar Heat Diagram



Coated on the 2nd surface, low-e microscopic coatings are designed to minimize the amount of UV and infrared light. Low-e coatings are diverse in not compromising the amount of visible light being transmitted.

### IG Units

Customized IG's for residential applications can certainly have an impact in the way your home manages thermal performance. Insulated units keep homes cooler in the summer and warmer during the winter by reducing air-to-air transfer. This is produced by having two panes of glass separated by a spacer and trapping air in between. The insulating process then reduces the rate in which heat or cold travels within a unit. Applying a low-e coating on one of the four surfaces can furthermore increase your units thermal performance, how much heat loss is allotted (U-Value), how much light passes through a window (Visible Light Transmittance) and solar radiation admitted through a window (Solar Heat Gain Coefficient). These factors are one of several that can have an impact in the way your home conserves energy. Please contact your local GTI Sales Rep to help you customize or give you further information on IG's.

### Colonial Muntin Grids

- Mill
- Bronze
- Champagne/Adobe Gray
- Tan / Almond
- White



Size Availability: • 9/16" x 3/16" • 5/8" x 3/16" • 3/4" x 3/16"

### Spacer Colors

	■ Mill	■ Light Bronze	■ Bronze
3/4"	■	■	■
5/8"	■	■	■
9/16"	■	■	■
1/2"	■	■	■
7/16"	■	■	■
3/8"	■	■	■
5/16"	■	■	■
1/4"	■	■	■
3/16"	■	■	■

### Locations

- Tucson AZ Corporate Office | (520) 629-0268
- Phoenix AZ Office | (602) 272-1544
- Albuquerque NM Office | (505) 831-6224
- Santa Teresa NM Office | (575) 589-4970
- Denver CO Office | (303) 399-8587
- Salt Lake City UT Office | (801) 467-3136
- Boise ID Office | (208) 389-1080
- Baton Rouge LA Office | (225) 442-7040