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AFG HAS REDEFINED SOLAR CONTROL. NOW THE CHOICES ARE YOURS.

Our Energy Star™ approved customers assemble their energy efficient windows and doors with Comfort Ti™, a Low-E glass made by AFG Industries.

ISN'T IT ABOUT TIME?

Structural design. Insulation. HVAC systems. All of these housing components change from Sarasota to Saskatchewan. So why settle for a "one product fits all" approach when it comes to windows?

Now you can offer your customers a truly energy-efficient choice, thanks to AFG Industries' new Comfort Ti™ spectrally selective low-emissivity glasses.

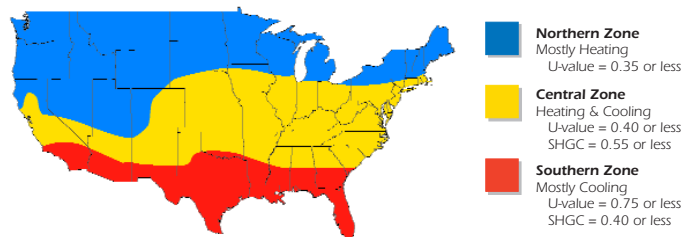
Comfort Ti is the first product to use ultra-hard titanium as its base layer, ensuring a new level of thermal performance.

And the Comfort Ti glass system offers three distinct product options, custom-tailored to the energy control needs of homeowners in different regions of North America:

As a supplier partner in the Department of Energy and EPA's Energy Star™ Window Program, Comfort Ti glasses represent a breakthrough in solar energy control—offering a full range of product options that meet the energy-efficiency needs of an entire continent. Whether the goal is to minimize or maximize solar heat gain, Comfort Ti offers the right product for your customers' specific energy control requirements.

Manufactured using a revolutionary "Twin Mag™" sputtering process, the Comfort Ti system also offers unprecedented durability and ease of handling. All Comfort Ti products are easier to cut, easier to handle, and easier to wash. These attributes can reduce your fabrication costs and increase yield.

ENERGY STAR™



AFG Product Map



Comfort Ti-PS offers high passive solar transmission maximizing solar heat gain throughout the winter months, and reducing annual heating costs in colder regions.



Comfort Ti-R, with its high R-Value, is a balanced performer which can be used to maximize energy efficiency throughout North America.



Comfort Ti-AC, a solar heat blocker, was designed for regions where air conditioning is used most of the year. It minimizes solar heat gain and reduces annual air conditioning costs.



LOW EMISSIVITY, HIGH PERFORMANCE

Today, spectrally selective low-emissivity glasses are the energy-efficient choice across North America. And AFG's Comfort Ti-R™ has achieved the lowest emissivity rating ever (0.3). No other product line insulates better, while also acting as an invisible reflector that maintains comfortable interior temperatures.

With its three custom-tailored, spectrally selective options, the Comfort Ti product system provides exceptional insulation in every climate, helping heating and air conditioning systems to perform at ultimate efficiency. Record-low emissivity ratings, translating into high R-values, mean lower annual energy bills for homeowners who choose Comfort Ti products. In fact, the Comfort Ti system has the highest R-value in each of its categories and creates significant savings in BTU consumption.



MAKE THE EFFICIENT CHOICE TODAY

The new Comfort Ti spectrally selective product system from AFG Industries, one of North America's leading glass manufacturers, offers the customized energy control, emissivity, light transmission, and color neutrality you need to satisfy your customers.

UNPARALLELED COLOR NEUTRALITY

With their durable titanium base layer, Comfort Ti glasses from AFG also offer high visible light transmission without high levels of color tinting. The result? A new standard for color neutrality in both transmission and reflection. Whichever Comfort Ti products you offer, your customers will see a clear difference when they compare Comfort Ti with other low-emissivity sputter-coat glasses.

POST-TEMPERABLE

AFG's Comfort Ti system also includes a post-temperable product. Comfort Ti-R™ (TC) compliments the system in performance, color match, light transmission and SHGC. The titanium barrier layer eliminates sodium leaching and improves the coating's resistance to degradation during the process. This means lower production costs through improved scheduling and quicker, easier on-the-job replacements.



NOW THE CHOICES ARE YOURS.

To learn more about Comfort Ti™, call 1-800-251-0441 or visit www.afgglass.com.



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COMFORT-TI SPECTRALLY SELECTIVE PERFORMANCE DATA

Dual Glazed Comfort Ti-PS (Surface #3)

Glass Thickness	Air Space Thickness	Emissivity (Coated Surface)	U-Factor Winter		U-Factor Summer		Transmittance %			Shading Coefficient		Solar Heat Gain Coefficient
			Air	Argon	Air	Argon	UV	Visible	Solar	Air	Argon	
SS	1/4	.05	.42	.33	.45	.36	37	78	50	.67	.67	.57
SS	1/2	.05	.30	.25	.30	.24	37	78	50	.68	.68	.58
1/8	1/4	.05	.42	.33	.45	.36	33	77	50	.68	.68	.58
1/8	1/2	.05	.30	.24	.30	.23	33	77	50	.68	.69	.59
3/16	1/4	.05	.42	.33	.45	.36	30	75	46	.64	.65	.55
3/16	1/2	.05	.30	.24	.30	.24	30	75	46	.65	.65	.56
1/4	1/4	.05	.41	.33	.45	.36	33	73	43	.61	.62	.53
1/4	1/2	.05	.30	.24	.30	.24	33	73	43	.62	.62	.53

Data calculated by Customer Technical Services. LBL Window 4.1 Program. Center of Glass Values.

*Note: All Calculations Reflect coating on surface #3.

Dual Glazed Comfort Ti-PS (Surface #2)

Glass Thickness	Air Space Thickness	Emissivity (Coated Surface)	U-Factor Winter		U-Factor Summer		Transmittance %			Shading Coefficient		Solar Heat Gain Coefficient
			Air	Argon	Air	Argon	UV	Visible	Solar	Air	Argon	
SS	1/4	.05	.42	.33	.44	.35	37	78	50	.62	.61	.53
SS	1/2	.05	.30	.25	.30	.23	37	78	50	.62	.61	.53
1/8	1/4	.05	.42	.33	.44	.35	33	77	50	.63	.63	.54
1/8	1/2	.05	.30	.24	.30	.23	33	77	50	.62	.62	.54
3/16	1/4	.05	.42	.33	.44	.36	30	75	46	.60	.59	.51
3/16	1/2	.05	.30	.24	.30	.23	30	75	46	.59	.59	.51
1/4	1/4	.05	.41	.33	.44	.35	33	73	43	.57	.56	.49
1/4	1/2	.05	.30	.24	.30	.23	33	73	43	.56	.56	.48

Data calculated by Customer Technical Services. LBL Window 4.1 Program. Center of Glass Values.

*Note: All Calculations Reflect coating on surface #2.

Dual Glazed Comfort Ti-R (Surface #2)

Glass Thickness	Air Space Thickness	Emissivity (Coated Surface)	U-Factor Winter		U-Factor Summer		Transmittance %			Shading Coefficient		Solar Heat Gain Coefficient
			Air	Argon	Air	Argon	UV	Visible	Solar	Air	Argon	
SS	1/4	.03	.42	.33	.44	.35	25	71	44	.54	.54	.47
SS	1/2	.03	.30	.24	.29	.22	25	71	44	.54	.53	.46
1/8	1/4	.03	.41	.32	.44	.35	30	71	44	.55	.55	.47
1/8	1/2	.03	.29	.24	.29	.22	30	71	44	.54	.54	.47
3/16	1/4	.03	.41	.32	.44	.35	22	69	40	.53	.52	.45
3/16	1/2	.03	.29	.24	.29	.22	22	69	40	.52	.52	.45
1/4	1/4	.03	.41	.32	.44	.35	17	66	37	.50	.50	.43
1/4	1/2	.03	.29	.24	.29	.22	17	66	37	.49	.49	.43

Data calculated by Customer Technical Services. LBL Window 4.1 Program. Center of Glass Values.

*Note: All Calculations Reflect coating on surface #2.

Dual Glazed Comfort Ti-AC (Surface #2)

Glass Thickness	Air Space Thickness	Emissivity (Coated Surface)	U-Factor Winter		U-Factor Summer		Transmittance %			Shading Coefficient		Solar Heat Gain Coefficient
			Air	Argon	Air	Argon	UV	Visible	Solar	Air	Argon	
SS	1/4	.04	.42	.33	.44	.35	31	63	38	.47	.47	.41
SS	1/2	.04	.30	.24	.29	.22	31	63	38	.47	.47	.40
1/8	1/4	.04	.42	.33	.44	.35	29	62	36	.47	.46	.40
1/8	1/2	.04	.29	.24	.29	.22	29	62	36	.46	.46	.39
3/16	1/4	.04	.41	.32	.44	.35	25	59	34	.45	.44	.38
3/16	1/2	.04	.29	.24	.29	.22	25	59	34	.44	.43	.38
1/4	1/4	.04	.41	.32	.44	.35	25	58	32	.44	.43	.38
1/4	1/2	.04	.29	.24	.29	.22	25	58	32	.43	.43	.37

Data calculated by Customer Technical Services. LBL Window 4.1 Program. Center of Glass Values.

*Note: All Calculations Reflect coating on surface #2.