

RadianceTM

Self-Cleaning Glass Technology



SELF-CLEANING GLASS
A PRODUCT OF AFG INDUSTRIES, INC.



Radiance™

Self-Cleaning Glass Technology

Clearly Innovative

AFG Glass has introduced a distinct new glass technology in Radiance™ self-cleaning glass. Not only is Radiance™ a new glass product—it is a new product category. Radiance™ is a glass technology designed to keep windows cleaner longer and reduce the expense of washing.

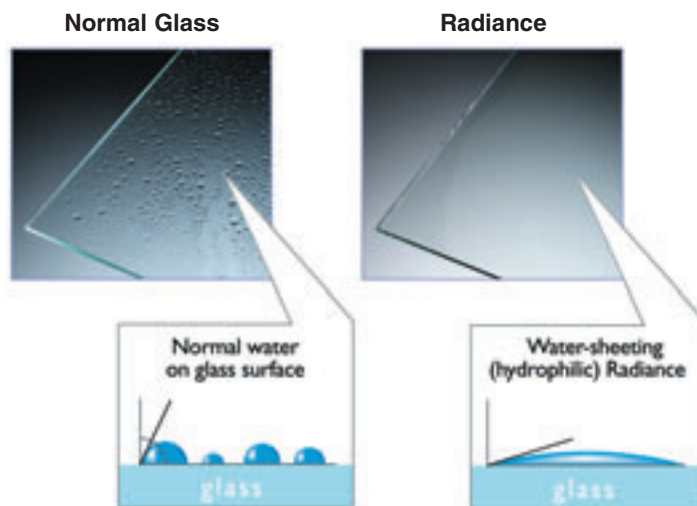
Patented Multi-Layered Coating

New Radiance™ provides the distinct advantage of a glass that is virtually self-cleaning and maintenance free. Through a patented multi-layered coating and application process, Radiance™ offers photo catalytic properties combined with water-sheeting capabilities to enhance the appearance of all windows.

A Two-Step Cleaning Process

By using the ultra-violet rays from the sun, Radiance™ breaks down organic materials that normally accumulate on the glass surface. Although the coating process and chemistry are proprietary, the active material in the coating is titanium dioxide. When exposed to sunlight, TiO_2 creates a reaction that literally breaks down organics (dirt) over time. The more UV that the window glass is exposed to, the better the performance of the coating.

In addition to the photo catalytic benefit, Radiance™ also has the ability to ‘sheet’ dirt, dust, and other debris away when rinsed by rain or when sprayed with water from a hose. This rinsing benefit not only cleans the glass with an even distribution of water, but minimizes water droplet stains as the window dries.



For Residential and Commercial Applications

Radiance™ is available in Single strength (2.5mm) through 1/4" (6mm) for both residential and commercial glazing applications. The product coating is durable, temperable, and as easy to handle as other coated products. Radiance™ offers pleasing aesthetics and years of reduced maintenance when glazed as the exterior lite in an insulating unit.

For Best Results:

- the Radiance™ coating requires UV exposure for complete activation
- occasional water-rinsing will maximize Radiance™ cleaning capabilities
- windows with Radiance™ can still be washed with window washing fluids/soap and water and dried with clean paper towels or a lint-free cloth

For AFG's Technical "White Paper" on Self-Cleaning Technologies, please visit our website at www.afglass.com and click on Radiance™.

AFG Industries, Inc. is one of North America's leading glass manufacturers, with expertise in float glass, solar and patterned glass, and coating technologies. For more information, please call 1-800-251-0441.



CLEARLY INNOVATIVE

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* PATENT APPLIED FOR.

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