



LUXCLEAR® Protect

Better clarity. Longer life.
Anti-corrosion glass.

AGC LUXCLEAR® *Protect* is a coated glass product developed to protect the surface of the glass by preventing corrosion due to contaminants related to water, heat, and high humidity. Over time, surface corrosion caused by this exposure can essentially “age” the glass, resulting in a dull and dirty appearance that worsens the longer the exposure exists. The LUXCLEAR *Protect* coating permanently fuses with the glass and seals the glass surface so it remains clear and new looking for the life of the product.

AGC Glass North America, the world’s largest glass manufacturer, is committed to providing the widest range of products with world-class service that is second to none. For easy, convenient, and fast access, LUXCLEAR *Protect* is available at AGC regional distribution centers.

LUXCLEAR *Protect*



Frequent Uses

Inspired Applications – Inside and Out

- | | | |
|-------------------|-----------------|------------|
| Shower enclosures | Saunas | Sunrooms |
| Bathrooms | Pool enclosures | Car washes |

What’s so special about LUXCLEAR *Protect*?

What this means for you?

Permanent anti-corrosion coating

- Prevents corrosion due to contaminants related to water, heat, and high humidity
- Coating is permanently fused with the glass so it lasts for the life of the product
- Invisible coating to maintain the optical properties of the glass

Factory-applied durable coating

- Eliminates the need for labor-intensive aftermarket solutions, saving time and money
- Lasts the life of the product and does not require the hassle of re-application
- Industrial, quality-controlled application of the coating ensures durability, making handling and storage worry-free

Easy to clean

- Easy to keep the glass looking new with regular cleaning using traditional non-abrasive household cleaners

Limited Lifetime Warranty

- Available to the original end user, AGC warrants the product for its entire lifetime
- Easy warranty registration process, visit www.agcglass.com for registration and warranty terms and conditions





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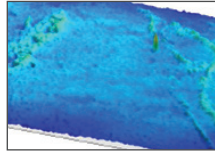
LUXCLEAR *Protect* has been rigorously tested to ensure a high-performing product that lasts a lifetime. To simulate regular use in a shower enclosure for 20 years, LUXCLEAR *Protect* and clear float glass were tested at high temperatures and high humidity (50° C + 95% Relative Humidity + > 1,900 hours). LUXCLEAR *Protect* showed no signs of corrosion unlike the clear float glass.

Optical Imaging
of Exposed Glass

LUXCLEAR *Protect*



Clear Float



Magnified images of glass surface after exposure using 3-D confocal microscopic imaging.

LUXCLEAR *Protect* Performance

Glass Thickness		Transmittance % Visible (VLT)	Reflectance %		Solar Energy Transmittance %	Winter U-Value	Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
Inches	mm		In	Out		Air		
Monolithic - Surface #2								
1/4	6	87	10	10	78	1.03	0.82	1.06
3/8	10	85	10	10	71	1.00	0.78	1.09
1/2	12	84	10	10	66	0.99	0.74	1.12

Performance values are based on representative production samples and product modeling data using LBNL Window 7 software. Actual values may differ based on variations in the manufacturing process. Environmental conditions based on NFRC 100-2010. Thermal stress analysis or building codes may determine the requirement for heat-treated glass. Contact AGC Technical Services to ensure the correct form of glass to be supplied. For additional data performance and comparisons use our online Glass Calculator at www.agcglass.com/glasscalculator.

Standard Thicknesses:

6mm (1/4") 10mm (3/8") 12mm (1/2")

Custom Thicknesses:

3mm (1/8") 4mm (5/32") 5mm (3/16")
8mm (5/16")

Dimensions:

84" x 100"

96" x 130"

Availability:

AGC regional distribution centers, strategically located throughout North America, provide easy, convenient, and fast access to the most popular AGC products.

Visit www.agcglass.com for more details on AGC's LUXCLEAR *Protect* anti-corrosion glass.

Fabricating Options

Process	Operation	LUXCLEAR <i>Protect</i>
Cutting	Straight	Yes
	Circular	Yes
Shaping & edge finishing	Edge grinding	Yes
	Grinding	Yes
	Drilling	Yes
	Notches	Yes
Fabrication	Bending	Yes
	Etching	Yes
	Laminating	Yes
	Sandblasting	Yes
	Silk screen printing and enameling	Yes
	Tempering	Yes

LUXCLEAR *Protect* must be installed with the coated surface to the area exposed to water, heat, and high humidity. AGC offers coating detectors to easily identify the coated surface. Please contact your local AGC Sales Representative for more details.

AGC GLASS NORTH AMERICA

AGC Glass is the world's largest manufacturer of glass and glass-related products. The company offers the widest range of flat glass for architectural, interior, and residential applications. AGC Glass North America is part of the AGC Group, which employs more than 50,000 worldwide in approximately 30 countries. As a global company, AGC leverages its many resources to develop innovative new products and to offer world-class service that is second to none. AGC glass products are available through an extensive network of glass fabricators and window manufacturers in the U.S. and Canada. To learn more, visit our website at www.agcglass.com.



Your Dreams, Our Challenge