

Product Data Sheet



INTERIOR & ENTRANCE GLAZINGS

Starphire Ultra-Clear® glass by Vitro Architectural Glass brings more light into interior spaces while offering unmatched levels of brightness, clarity and visual excitement. When used for interior entrances, shelves, shower enclosures, showcases, tabletops, backsplashes, doors, side lites, decorative panels, clerestories and partitions, *Starphire®* glass provides the ultimate color fidelity while remaining crystal clear as thickness increases. In addition, its unique blue edge imparts a luxury and sophistication conventional clear glass cannot match.

Safety & Security Glazings

Starphire® glass provides a new level of visual quality to safety and security glazing applications. These design challenges are typically addressed by using multi-layer laminates. From zoo enclosures to jewelry storefronts and marine aquariums to museum cases, *Starphire®* glass will deliver unparalleled color transmission and clarity. Objects are seen in their true colors; they are not distorted by green appearance that is often present in multi-layer laminates of ordinary clear glass.

Heavy Glass

Starphire® glass exhibits 16 percent higher visible light transmittance (VLT) than ordinary clear glass in a 1 3/8-inch laminated glass construction. Architects can take advantage of this unique attribute by specifying *Starphire®* extra-heavy glass in thicknesses of up to 3/4-inch or 19 millimeters for heavy interior glass applications, including security glazing.

Decorative Glass

Whether you're designing digitally printed glass, acid-etched glass or any other decorative interior application, *Starphire®* glass allows true colors and distinctive patterns to shine through, without the green cast inherent in ordinary clear glass.

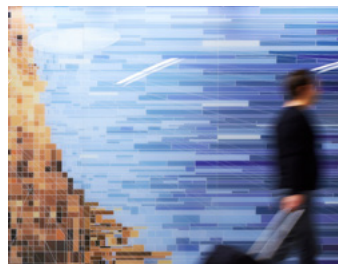
Interior & Entrance Glazings



Safety & Security Glass



Decorative Glass



Kitchen & Bath



Kitchen & Bath

Starphire® glass is the perfect choice for kitchen countertops and backsplashes as well as shower and bathtub enclosures, allowing beautiful furnishings and decorative accents to shine through with true color fidelity. To preserve the timeless beauty of bath enclosures, specify *Starphire®* glass with the *Clarvista®* glass coating, which protects against dullness caused over time by the corrosive effects of heat and humidity.

Supporting Sustainable Design

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives. Vitro Architectural Glass is the first U.S. float glass manufacturer to have its entire selection of products recognized by the *Cradle to Cradle Certified™* program, and the first in

North America to publish third-party verified environmental product declarations (EPDs) for its Flat Glass and Processed Glass products.

For LEED credit opportunities and supporting documentation, visit vitroglazings.com/LEED

LEED® Credit Opportunities

Possible Points	LEED Credit	<i>Starphire®</i> Glass Feature	Path/Option Satisfied
2	Materials & Resources (MR) Building Product Disclosure & Optimization - Material Ingredients	<i>Cradle to Cradle Certified™</i>	Material Ingredient Reporting (Option 1) or Product Manufacturer Supply Chain Optimization (Option 3)
2	Materials & Resources (MR) Building Product Disclosure & Optimization - Environmental Product Declarations	Environmental Product Declaration (EPD)	Environmental Product Declarations (EPD) (Option 1)

Interior *Starphire*® Glass

Fabrication and Availability

Starphire® glass is available in thicknesses from 3.2 mm to 19 mm and is stocked regionally to assure consistent supply reliability. *Starphire*® glass can be cut, edge polished, drilled, heat treated, laminated, fritted, magnetron sputtered vacuum deposition (MSVD) coated and insulated to suit a wide variety of applications. For *Starphire*® glass samples or fabrication information, visit vitroglazings.com or contact our Architectural Services Hotline at **1-855-VTRO-GLS (887-6457)**.

Additional Resources

To obtain samples of any Vitro Glass product, call **1-855-VTRO-GLS (877-6457)** or visit samples.vitroglazings.com. For videos, design insights and technical education, visit the Vitro Glass Education Center at glossed.vitroglazings.com. For glass comparison and configuration tools, visit tools.vitroglazings.com.

Starphire® Glass Performance Data									
Glass Thickness		Visible Light Transmittance (VLT) ² %	Visible Light Reflectance ²		(Btu/hr·ft ² ·°F) NFRC U-Value ³		Solar Heat Gain Coefficient (SHGC) ⁴	Light-to-Solar Gain (LSG) ⁵	
Inches	mm		Exterior %	Interior %	Winter Nighttime	Winter Argon			
Uncoated									
STARPHIRE® Glass									
	1/8	3	91	8	8	1.04	NA	0.91	1.00
	5/32	4	91	8	8	1.04	NA	0.91	1.00
	3/16	5	91	8	8	1.03	NA	0.90	1.01
	1/4	6	91	8	8	1.02	NA	0.90	1.01
	5/16	8	91	8	8	1.01	NA	0.89	1.02
	3/8	10	91	8	8	1.00	NA	0.89	1.02
	1/2	12	90	8	8	0.98	NA	0.88	1.02
	5/8	16	90	8	8	0.97	NA	0.87	1.03
	3/4	19	90	8	8	0.95	NA	0.86	1.05

All performance data calculated using LBNL Window 7.3 software representing center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit vitroglazings.com or request our Architectural Glass Catalog.

For more information about *Starphire Ultra-Clear*® glass and other *Cradle to Cradle Certified*™ architectural glasses by Vitro Glass, visit vitroglazings.com, or call **1-855-VTRO-GLS (887-6457)**.

