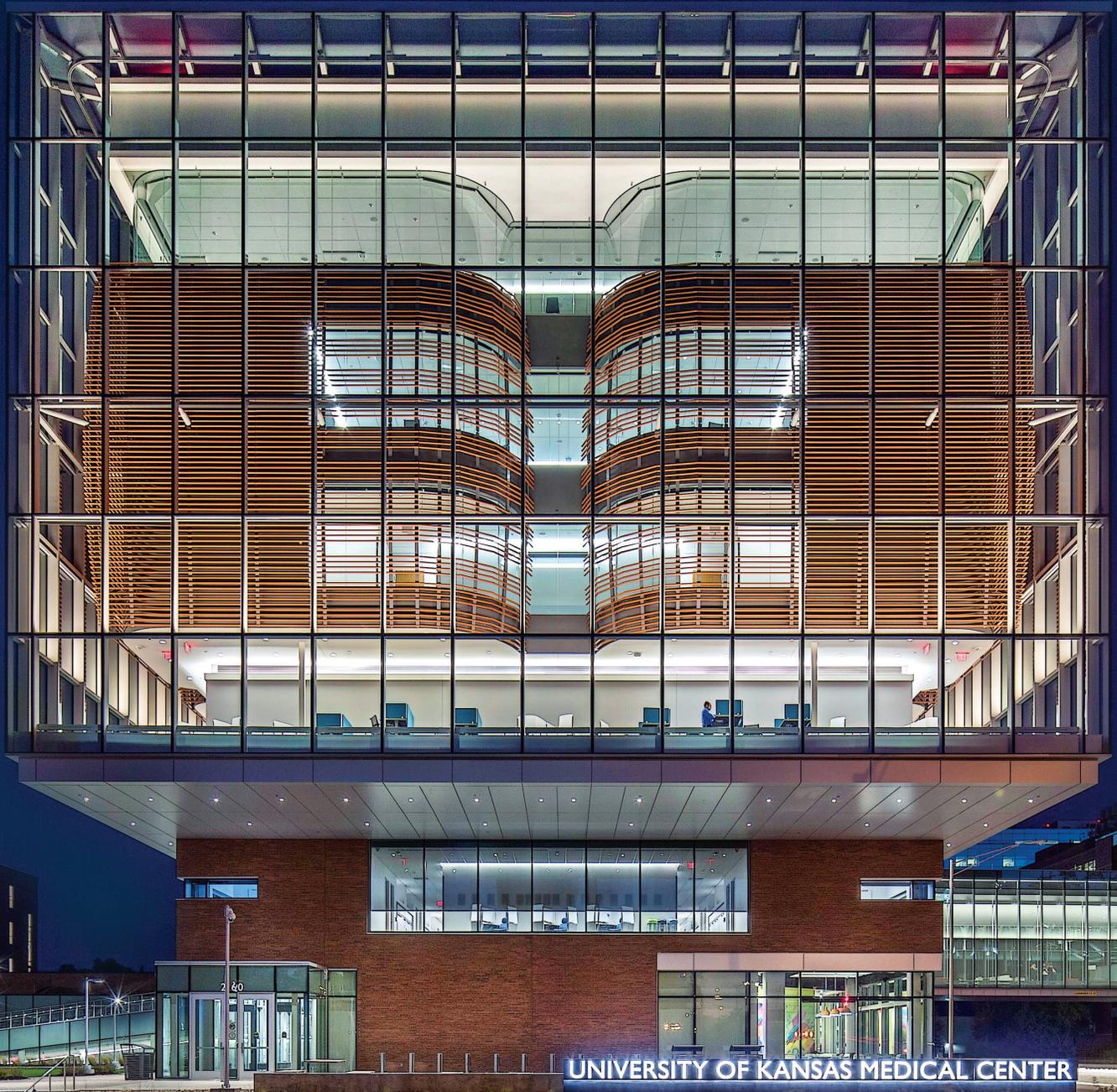


Less green. For less green.



University of Kansas Medical Center Health Education Building | Kansas City, Kansas | Shown: Solarban® 72 Starphire® glass*
Architects: Helix Architecture + Design and CO Architects | Vitro Certified™ Fabricator: Insulite Glass Co. | Glazing Contractor: Jim Plunkett Incorporated

*Like Solarban® Starphire® glass, Solarban® Acuity™ glass delivers a distinctive, highly transparent low-iron aesthetic.



Find affordable clarity in the Solarban® Acuity™ low-e glass series.

The right glass can be the centerpiece of your design. Combining Vitro's new Acuity™ low-iron glass — which is 60 percent less green than ordinary clear glass — with any Solarban® low-e coating, can provide the truly clear look you want with the outstanding energy and code performance you need.

An Engineered System

Leveraging 30 years of Starphire Ultra-Clear® glass manufacturing experience, Acuity™ low-iron glass is specifically engineered for vision glazings, both as a substrate for Solarban® coatings and for all lites in an insulating glass unit (IGU) or laminated configuration. This combination provides excellent transparency and clarity at an affordable upcharge from coated clear glass.

Where to Use Solarban® Acuity™ Glass

Solarban® Acuity™ glass is optimized for vision glazings or any exterior application where excellent clarity and low-e performance are needed (similar to Solarban® Starphire® glasses, shown on cover and below).

Consider Solarban® Acuity™ glass for the following applications:

- Office buildings and institutions
- Hotels
- Schools
- Luxury condos & mixed-use
- Entrances & retail storefronts

Solarban® Acuity™ glass also is ideal for distinctive exterior applications, such as atriums, skylights and spandrel glass.



Hoyt Street Yards No. 2 | Portland, Oregon - USA | Architect: Bora
Vitro Certified™ Fabricator: Vitrum Industries Ltd.



California Academy of Sciences | San Francisco, California - USA
Architects: Renzo Piano Building Workshop and Stantec Architecture

Supporting Sustainable Design

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives.

Energy Use & Operating Cost Reduction: High-performance glasses by Vitro are engineered to facilitate downsized mechanical equipment costs, leading to reduced long-term energy costs. For glass comparison and configuration tools, visit tools.vitroglazings.com.

Sustainability Documentation: 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 EPDs for its Flat Glass and Processed Glass products.

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

LEED Credit Opportunities			
Possible Points	LEED Credit	Solarban® Acuity™ Feature	Path/Option Satisfied
18	Energy & Atmosphere (EA) Optimize Energy Performance	Excellent SHGC, U-value and Tvis performance	Whole Building Energy Simulation (Option 1) or Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (Option 2)
5	Innovation (IN) Innovation in Design	Exceeds minimum performance mandated by local energy codes	Innovation (Option 1), Pilot (Option 2) and Exemplary Performance (Option 3)
3	Indoor Environmental Quality (EQ) Daylight	Exhibits high light transmission	Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure (Option 1), Simulation: Illuminance Calculations (Option 2) or Measurement (Option 3)

Performance Data for Solarban® Acuity™ Low-E Low-Iron Glass

Insulating Glass Unit (IGU) Performance Comparisons 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites									
Outdoor Lite: Coating if Any (Surface) Glass	Glass Type		Visible Light Transmittance (VLT) %	Visible Light Reflectance		(Btu/hr•ft²•°F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
	+	Indoor Lite: Coating if Any (Surface) Glass		Exterior %	Interior %	Winter Nighttime	Winter Argon		
Coated									
SOLARBAN® 60 Solar Control Low-E Glass									
	SOLARBAN 60 (2) ACUITY + ACUITY		73%	11%	12%	0.29	0.24	0.41	1.78
SOLARBAN® 72 Solar Control Low-E Glass									
	SOLARBAN 72 (2) ACUITY + ACUITY		66%	13%	14%	0.28	0.24	0.28	2.36

All performance data calculated using LBNL Window 7.3 software and represents 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.

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 glassed.vitroglazings.com. For glass comparison and configuration tools, visit tools.vitroglazings.com.