



**Vitro**<sup>®</sup>  
Architectural Glass



**This Glass  
is for the Birds**



**BirdSmart**<sup>®</sup>  
BIRD SAFE GLASS

# Cleared for Takeoff

*BirdSmart*® Bird Safe Glass by Vitro features first-surface laser etched patterns that improve visibility for birds without compromising modern design aesthetics or glass performance. Combine *BirdSmart*® glass with a *Solarban*® low-e coating on the second surface on a single lite, and get it in one fell swoop.

## Don't Wing It

- *BirdSmart*® glass can achieve threat factors as low as 20 and has received American Bird Conservancy tunnel testing approval to comply with existing and emerging building codes

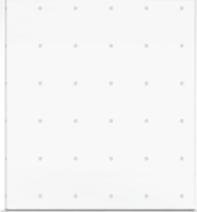
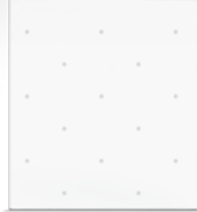
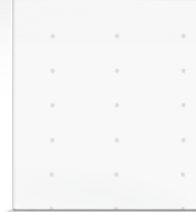
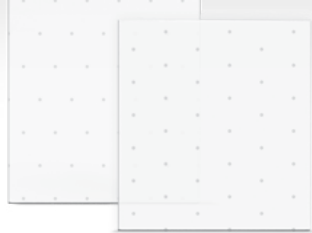
## A Greener Process

- *BirdSmart*® glass is manufactured using a non-caustic laser etching process without harsh chemicals
- All *BirdSmart*® patterns and *Solarban*® low-e coatings are manufactured on Vitro's low embodied carbon and *Cradle to Cradle Certified*® glass. For more information about sustainability resources, like our Environmental Product Declarations (EPDs), visit [vitroglazings.com/sustainability](http://vitroglazings.com/sustainability).

## Fabrication & Availability

- Available on clear, *Acuity*® and *Starphire*® low-iron glasses, tinted glasses and all *Solarban*® coatings on the second surface
- One Fell Swoop: *BirdSmart*® and *Solarban*® glasses are made in Wichita Falls, Texas and ship directly to you.
- No more size limits – available in sizes up to *Titan*™ glass (130x240 inches)
- Single pack order minimum
- Available exclusively through the *Vitro Certified*® Network

## Pattern Options

				
Spec Name	<i>BirdSmart</i> ® Speck 6 Inline 2x2*	<i>BirdSmart</i> ® Speck 6 Shift 2x4	<i>BirdSmart</i> ® Speck 6 Inline 2x4	<i>BirdSmart</i> ® Speck 6 Shift 2x2
Threat Factor	20	25	25	20
Pattern Dimensions	2" x 2"	2" x 4" with 2" offset	2" x 4"	2" x 2" with 1" offset

\*Complies with Canada's CSA A460: 19 Bird-friendly building design requirements

*BirdSmart*®  
Bird Safe Glass  
first-surface patterns  
do not impact SHGC  
and VLT

## *BirdSmart*® + *Solarban*® Low-e IGU Performance, Standard 1-Inch Units

Insulated Glass Unit (IGU)	VLT %	SHGC
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 65 (2) Clear + Clear	70%	0.35
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 65 (2) <i>Acuity</i> ® + <i>Acuity</i> ®	72%	0.36
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 65 (2) <i>Starphire</i> ® + <i>Starphire</i> ®	73%	0.36
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 70 (2) Clear + Clear	64%	0.27
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 72 (2) <i>Acuity</i> ® + <i>Acuity</i> ®	67%	0.28
<i>BirdSmart</i> ® (1) <i>Solarban</i> ® 72 (2) <i>Starphire</i> ® + <i>Starphire</i> ®	68%	0.28

Visit [vitroglazings.com/birdsmart](http://vitroglazings.com/birdsmart) to view our selection guide and for more information.