



**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

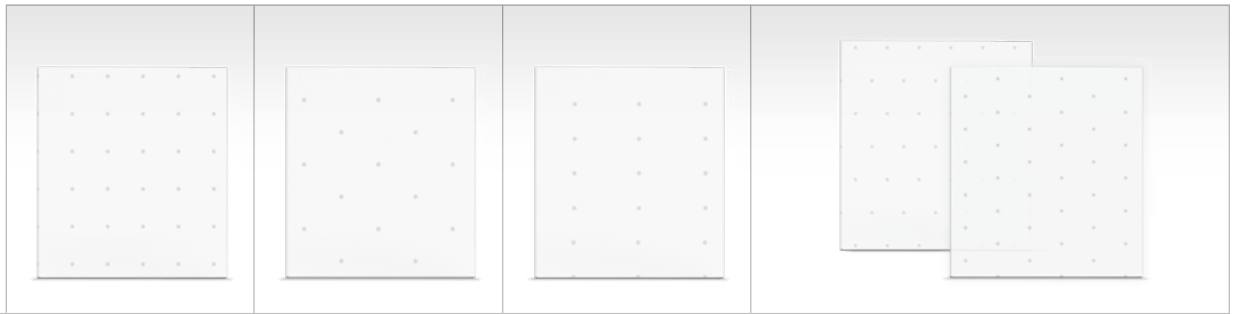
## A Greener Process

- *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, *Starphire®* or *Acuity®* glasses with our most popular *Solarban®* low-e coatings: *Solarban®* 65 glass, *Solarban®* 70 glass and *Solarban®* 72 glass
- 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 2" 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.