




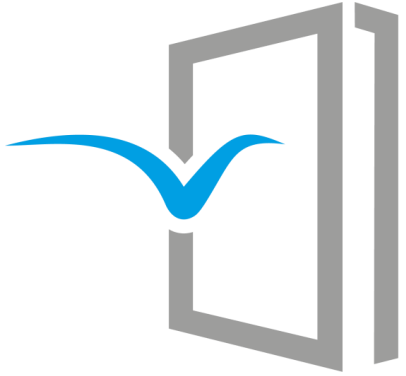
PRESSGLASS
BIRDSHIELD

LASER APPLIED BIRD FRIENDLY SOLUTION

www.pressglass.us

The background of the slide is a light blue gradient. On the left side, there are several stylized grey birds in flight, scattered across the space. Interspersed among the birds are numerous small, light grey dots, creating a pattern that suggests a flock or a field of birds. A diagonal white line separates this graphic area from the text area on the right.

Each year up to
1 billion birds die
after hitting glass
surfaces in the US.



PRESSGLASS **BIRD**SHIELD

PRESS GLASS BirdShield is manufactured using a green laser and printing tape to apply a bird-friendly pattern on surface #1.

The laser uses glass-friendly material to ensure no damage to the glass surface occurs. It creates an almost imperceptible pattern and there is no addition glass waste for this process due to optimization of the pattern.



Protecting Birds, Enhancing Views



PRESS GLASS BirdShield not only offers exceptional **bird protection** but also enhances the **aesthetics** of architectural spaces.

With its innovative use of precision, the laser applies patterns of semi-transparent dots in either light and dark gray colors on **surface #1** of the glass.

These dots, spaced at 2 inches from each other, are not only aesthetically pleasing but also serve a crucial function. While humans may barely perceive them, these dots create a visual barrier that is highly effective in preventing bird collisions.

This solution ensures that the glass maintains its intended purpose of allowing maximum light and openness while safeguarding our feathered friends.

The **bird-friendly pattern** will consistently align on the facade, ensuring **seamless glazing continuity**.



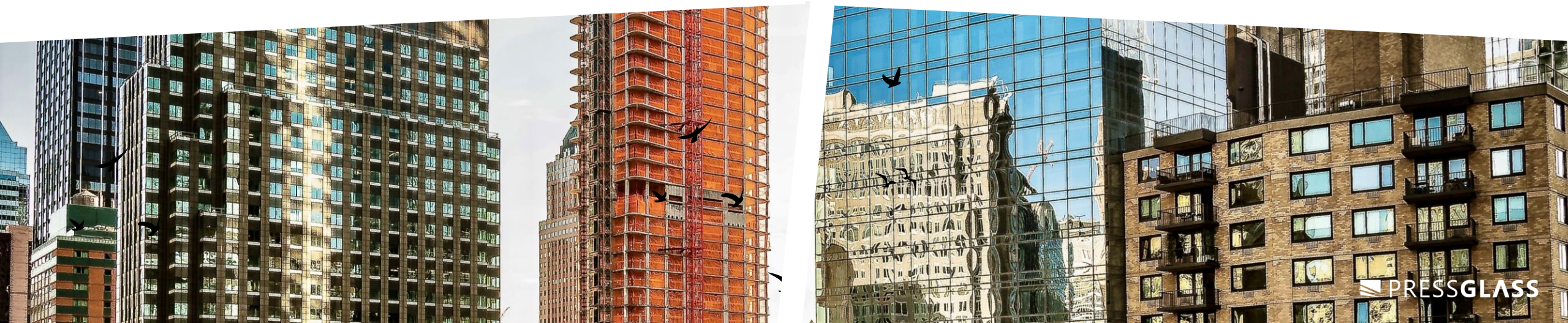
A Hidden Shield, A Visible Impact



Our glass products can be customized with [energy-efficient coatings](#) to meet specific energy, solar and light requirements.

To guarantee effectiveness, our bird-friendly product undergoes live bird tunnel tests performed by American Bird Conservancy (ABC). These tunnels, house scientific apparatuses that allows birds to demonstrate ring our solutions are effective in preventing bird collisions.

PRESS GLASS BirdShield offers exceptional glass performance, especially when combined with [Low-E glass](#), meeting energy requirements without compromising on natural light.



Shielding Nature, Preserving Beauty

The testing, conducted by the laser system provider HEGLA boraident, involved various glass samples with different coatings and bird protection patterns. Results indicated **threat factors ranging from 13 to 27**, which fall below the required threshold of 30 to be classified as bird protection glass.*

This testing is mandatory by law in the USA, and it's held by the American Bird Conservancy ensuring the effectiveness of bird-friendly solutions.

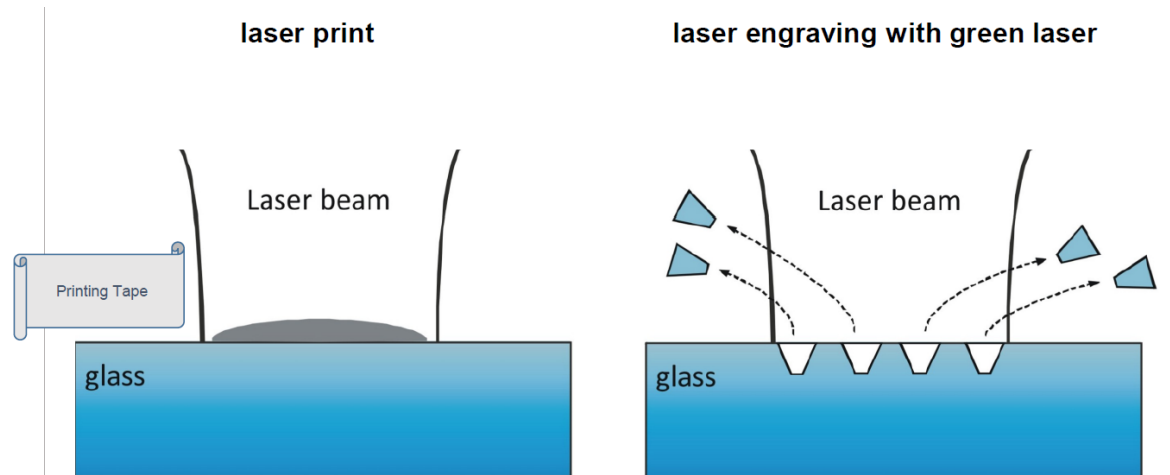
PRESS GLASS BirdShield is currently undergoing testing to determine its threat factor, a crucial metric for bird protection glass. PRESS GLASS is in the process of certifying 10 different products variances, with results expected in May 2024 and production slated to begin in September 2024.

*source: <https://www.hegla.com/en/news/press-release/three-criteria-for-bird-protection-glass/>

Unwavering Production



The entire production process of BirdShield is completed in-house, providing PRESS GLASS with full control over every stage. Glass printing is the final step, ensuring it does not disrupt the glass flow or affect raw material waste. Following insulation, the bird-friendly pattern is applied **without altering the glass material**.



This process has no size limitations, allowing us to produce **(IGUs) up to 126”x236”**.

Customers can select from **two colors**: light gray or dark gray, providing flexibility to suit various design preferences.



PRESSGLASS
BIRD SHIELD

Coatings

Guardian SunGuard® SN68HT | Guardian SunGuard® SNX51/23 | Guardian SunGuard® SNX70
Vitro Solarban® 70 VT | Vitro Solarban® 72

Pattern

Diamond: non-directional 5mm dots spaced 2" x 2" apart;
Matching pattern on the facade

Threat factor

To be determined

Position in IGU

#1

Maximum Size

126" x 236"

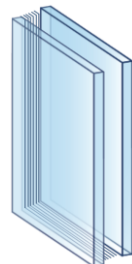


Non-directional 5mm dots spaced 2" x 2" apart
Light gray

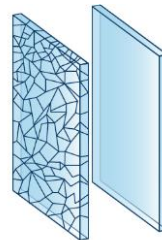


Non-directional 5mm dots spaced 2" x 2" apart
Dark gray

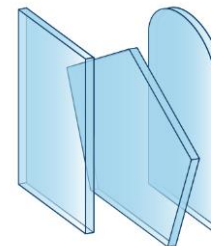
These fabrication processes can be used in conjunction with PRESS GLASS BirdShield:



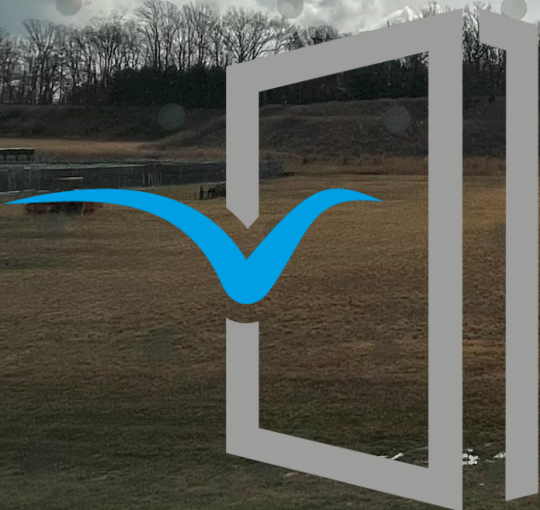
Double glazed



Tempered



Shapes



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