

BIRDS SEE IT, YOU DON'T...

The Clear Solution To Reduce Bird Strikes

Now Made in North America



ORNILUX

Bird Protection Glass

By **GLASSWERKS**



Birds @ Glass

*I*n North America up to one billion birds are killed each year due to collisions with glass on human-built structures, making bird window strikes the second greatest cause of avian mortality next to habitat destruction.

It is the reflective and transparent characteristics of glass that create a dangerous situation for birds. Rather than a barrier, they see sky and landscape reflected by or on the other side of a window. To prevent these collisions, glass must be made visible to birds.

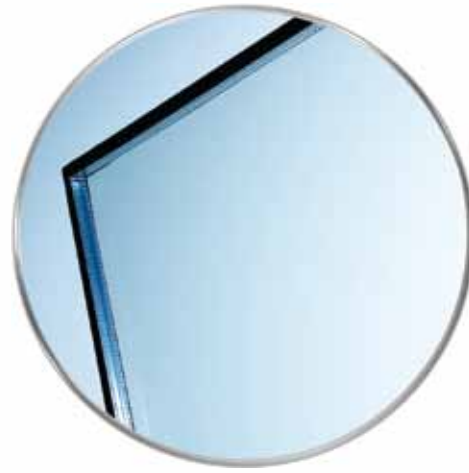
THE FUTURE OF BIRD-FRIENDLY ARCHITECTURE IS CLEAR

“The pattern is virtually impossible to notice from the inside looking out. Outside, you have to look up close and at an angle to see the pattern”

What Birds see



What We see



ORNILUX: The Clear Solution

Utilizing principles of Biomimicry, ORNILUX Bird Protection Glass was inspired by how spiders use UV reflectance in their webs, and the understanding that birds are able to see light in the ultraviolet spectrum. The glass has a patterned, UV reflective coating making it visible to birds while remaining virtually transparent to the human eye.



ORNILUX has been tested by the American Bird Conservancy resulting in a meaningful reduction of bird strikes compared to standard glass. The only clear glass solution for bird collision deterrence, ORNILUX offers a unique and innovative bird-friendly glazing treatment— maintaining the aesthetic transparency of glass while creating visual markers alerting birds to a barrier.

Projects

The first version of ORNILUX was released in Europe in 2006. The next generation of our bird protection glass, ORNILUX Mikado was released in 2009 and has been available in North America since mid-2010.



John Heinz National Wildlife Refuge Philadelphia, USA

As part of a collisions education display, 5 panes of the Visitor Center façade, problematic for bird strikes were replaced.

These panes are close to the ground and reflective of surrounding vegetation and thus a danger area for bird collisions.

Indoor Swimming Pool - Plauen , Germany

This was the first and one of the largest ORNILUX projects to date. The façade of this 100 year old, indoor swimming pool was glazed with ORNILUX Glass as it offered a solution to two key design objectives; preserving the aesthetic views and protecting the local bird populations from collisions with its large, glass façade.



Hellabrunn Zoo - Munich, Germany

Previous attempts to mitigate strikes with the use of hawk silhouettes, bamboo plants and adhesive applications proved ineffective and blocked visitors' views into the animal habitats.

“The big advantage is in what people don't see: no glass coating.... We've also tested the glass at our Pelican House, and to put it bluntly, not a single (bird) has collided with the glass.”

- Zoo Director



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Specifications

ORNILUX multi-functional glass solutions are available as laminated glass or double-glazed insulated units with a low-E coating, offering energy efficiency and bird strike protection. It can be produced as float or tempered safety glass.

Now Made in North America

As part of its ongoing effort to offer more environmentally-conscious products, Glasswerks Inc. is now partnered with German glass manufacturer Arnold Glas to be the exclusive North American fabricator of ORNILUX Bird Protection Glass.

About Glasswerks Inc.

Glasswerks Inc. is a leading commercial and architectural glass fabricator headquartered in South Gate, California. Glasswerks Inc. produces architectural glazing products, glass furniture, mirrors and decorative glass; specializing in the production and fabrication of laminated, tempered, insulated, bullet-resistant, hurricane-resistant, and high performance low-e glass products. Born out of the competitive construction landscape of Los Angeles in 1979, Glasswerks Inc. operates from eight U.S. facilities located in Southern California, Texas, Ohio, Pennsylvania and North Carolina. Catalina Tempering and Avalon Glass & Mirror are subsidiaries of Glasswerks Inc. Visit www.glasswerks.com for more information.



Awards & Recognition



Ornilux Bird-Safe Glazing from Arnold Glas



reddot design award
best of the best 2010



Contact Us

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