



BIRD FRIENDLY GLAZING SOLUTIONS

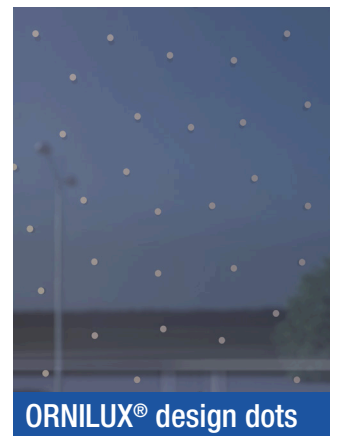
■ BALUSTRADES AND RAILINGS/GUARDRAILS

The ORNILUX® product family offers the largest variety of certified bird-friendly solutions for insulated glazing units. The transparent ORNILUX® mikado enable the versatile use in different applications and allow a maximum variability in the design of façades. All of these solutions have been proven to reduce bird collisions with glass.

Almost 20 years of experience and continuous product development of bird-friendly glass products are the reason why today ORNILUX® is the only solution which can be used in more than 120 certified laminated buildup variations for balustrades and railings.



ORNILUX® supermikado



ORNILUX® design dots

KEY BENEFITS FOR FABRICATORS & ARCHITECTS:

- ORNILUX® supermikado UV coatings are nearly invisible to the human eye
- Chrome markings of ORNILUX® design coating create maximum contrast in reflection and transmission
- All combinations are certified by the American Bird Conservancy (ABC)
- Combination in accordance with New York City's Local Law 15 and meets the required material threat factor (TF) of ≤ 25
- More than 120 certified variations possible for balustrades and railings



WHAT WE PROVIDE

- ORNILUX® supermikado oHT is optionally heat treatable
- Stock sheet dimension 3.21 x 2.25 m (126 x 88 in.), 3.21 x 4.50 m (126 x 177 in.), 3.21 x 5.10 m (126 x 200 in.) and 3.21 x 6.00 m (126 x 236 in.)
- Dimensions up to 3.21 x 9.00 m (126 x 354 in.) on request
- Glass thickness available from 4 mm to 12 mm (5/32 - 1/2 in.)
- Available on Low-Carbon glass to reduce CO₂ footprint

TECHNICAL DETAILS AT A GLANCE

ORNILUX® for balustrades and railings – bird friendly UV solutions

Product name	Glass Buildup		Transmission			Reflectance			Absorbance	U-Value		Shading Coefficient	Solar Heat Gain Coefficient	Threat Factor (TF) acc. ABC Guidelines
	Outer/Cavity/Mid/Cavity/Inner		Visible Light	Ultra-violet	Solar Energy	Visible Light	Visible Light	Solar Energy	Solar Energy	Winter	Summer			
			%	%	%	Out %	In %	%	%	BTU/(ft ² hF)				
ORNILUX® supermikado oHT /	:66.2		80	0	68	17	16	13	19	-	-	0.85	0.74	19
ORNILUX® mikado one oHT sunlite A /	:66.2		75	0	33	7	7	6	61	-	-	0.61	0.53	26

1) Tempering of the outer pane is recommended (tempered safety glass resp. heat strengthened). 2) Middle pane with additional Low-E coating; tempering recommended. I oHT: optionally heat-treatable. I All ORNILUX® mikado multi-pane buildups have achieved an approach rate of at least 70% to the control pane in ABC flight tunnel tests („EFFECTIVE“ category). More information at www.birdsmartglass.org. The flight tunnel results form the basis for LEED Credit 55. www.usgbc.org. ORNILUX® is the world's first bird protection glass that has been proven in extensive tests by American Bird Conservancy (ABC) to improve bird perception. It can be used like conventional glass. Other glass buildups and combinations on request. The glass thickness can be varied.

ORNILUX® supermikado is approved by the American Bird Conservancy for **railings and balustrades** including **freestanding application** (ie. roof tops, terraces, etc.) with a **threat factor (TF) of 25** and meet the requirements of **New York City Local Law 15**.



WE'RE HERE TO HELP.

As part of the Arnold Glas Group, arcon® is your competent partner when it comes to flat glass finishing. We turn your wishes into clear solutions. **Ask us!**
Phone US & CA: (888) ORNILUX | (888) 676-4589 | info@arcon-glass.com

arcon Flach- und Sicherheitsglas GmbH & Co. KG
91555 Feuchtwangen | 07751 Bucha | GERMANY
Tel. +49 9852 6700-0 | info@arcon-glas.de
Version 0272024



www.arcon-glass.com