

NOISE CONTROL / ACRYLITE® SOUNDSTOP

# BIRD GUARD

BIRD-DETECTING  
MARKINGS FOR  
TRANSPARENT NOISE  
BARRIER PRODUCTS

Durable  
Low Maintenance  
Meets Bird Safety Design Guidelines



Transparent acoustic screens, as well as glass facades on buildings or other transparent surfaces can be hazardous for birds which may not recognize the obstacle as something to avoid. Investigations by European institutes show the benefit of applying protection to avoid bird impact. This can be achieved by applying decals to the whole surface, however, decals drastically reduce the transparency of the panel.

ACRYLITE® Soundstop with Bird Guard includes bird-detererring markings that are 2mm thick horizontal or vertical black stripes, spaced every 30mm that is integral to the panel. Therefore, the striping is protected and is not affected by weathering or graffiti removal activities.

These stripes are visible obstacles for birds while assuring the maximum transparency of the panel. The design of ACRYLITE® Soundstop Bird Guard is very similiar to ACRYLITE® Soundstop GS CC noise barrier panel with embedded polyamide filaments for integrated fragment retention.

### Bird Safety

ACRYLITE® Soundstop Bird Guard panel complies with US & Canadian bird friendly design guidelines including the New York City Audubon Bird Safe Building Guidelines, and the City of Toronto Bird Friendly Development Guidelines. Designs that minimize bird collisions are a complement to, and recognized by, the Leadership in Energy and Environmental Design (LEED) green building rating system.

### Effective Results

Bird Guard effectiveness against bird impact has been confirmed by recognized test facilities of the Biological Station Hohenau-Ringeldorf and the University of Applied Science in Vienna, Austria. Testing conducted over a three year period show that incidents are reduced more than 93% by the Bird Guard pattern. This is significantly more effective than a variety of other tested patterns, including tose which covered 25% to 50% of the panel surface.

### FEATURES

- Effective bird life protection
- Compliant with NYC, San Francisco, Chicago, Minnesota and City of Toronto bird friendly design guidelines
- Extremely resistant to weathering and aging
- UV-absorbing
- Two high-gloss sides
- Easy to form and fabricate
- Lightweight
- Available in clear and seven transparent colors
- Can be returned for recycling
- Complements LEED green building rating system
- Graffiti removal procedures do not remove bird deterrent stripes



ACRYLITE® SOUNDSTOP BIRD GUARD, CLOSE UP



FREIHAM, GERMANY

## SPECIFICATIONS

<b>Thickness</b>	15mm, 20mm, 25mm; other thicknesses available upon request
<b>Width</b>	2,000mm
<b>Length</b>	Up to 6,000mm
<b>Pattern for Bird Protection</b>	1,830mm width
<b>On Request</b>	<ul style="list-style-type: none"> <li>• &gt; 2,000mm width</li> <li>• &gt; 6,000mm length</li> <li>• Other transparent colors</li> <li>• Various functional surfaces for specific applications</li> <li>• Rectangular and non-rectangular cuts, hole drilling</li> <li>• Full size thermoforming and line-bendings</li> <li>• Non-rectangular cuts of oversized panels</li> </ul>

### Bird Guard Stripe Specification

Bird Guard striping is available up to a width of 1,830mm and up to 6,000mm long. If a larger panel size is required, striping up to 2,000mm wide is available, but then ends 85mm from each edge. Striping may run either horizontally or vertically, and are parallel to the edge of the panel.

Maximum tolerance of parallelism is 15mm measured along the full length of the panel. Stripes are 2mm +/- 0.5mm wide and spaced 30mm +/- 8mm.

### Light Transmission

ACRYLITE® Soundstop Bird Guard panel has a higher light transmission than standard glass and retains excellent light transmission over decades of outdoor use. Light transmission on delivery averages from 90% to 92% when tested in accordance with ASTM D 1003.

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