



Shaping the future for birds

Tunnel Testing Report Dip-tech Spring 2016

Date: 9/5/2016

Tunnel testing dates: May 3 – June 6, 2016

Facility: Powdermill Nature Reserve

Testing notes

1. Avoidance Index (AI) Scores indicate the % of trials in which birds flew towards the control, in a situation where the pattern on the glass was always visible. Scores range from 50% - 100%. (50% is an effectively random distribution, as the birds are not indicating a preference.)
2. Please note that the Avoidance Index is an index of effectiveness but does not equal 'effectiveness' of the product when installed, as many other factors, such as local weather conditions, orientation and local habitat, may influence actual performance.
3. The AI correlates with performance when the pattern is visible at all times; if the pattern is on an internal surface, reflections on surface one can diminish actual effectiveness.
4. 80 trials were run for this sample, with 74 useable flights
5. All samples tested *with* background
6. As of June 2015, MT Scores are calculated $(1 - AI) \times 100$. Note that this calculation is being reviewed by the LEED Pilot Credit committee and is subject to change.

Materials tested:

Dip-Tech pattern 1: multi-colored triangles

AI Score 92 Number of flights 74

MT Score 8

Pattern performed equally well under bright and overcast skies

Discussion:

With an AI of 92%, this sample significantly exceeds the American Bird Conservancy's minimum standard for effective bird collision deterrent materials of 70%.