



# International Specifications

Unlike UV coating or other commercial bird collision prevention solutions, CollidEscape offers a performance rating measured in decades - it is the best all-around solution on the market. Similar products exist in the graphics industry, but we then engineered CollidEscape specifically for collision, performance and energy savings characteristics.

Features include:

- Stiffer - for ease of installation
- Extra UV inhibitors - to provide over a decade free of yellowing and cracking
- repositionable adhesive - to aid in field installation
- Permanent, but Removable - designed to be applied for years, but removable at end-of-life

Additionally, CollidEscape can be retrofitted onto existing window surfaces, so costly pane retrofits are a thing of the past.

Performance Rating	Physical Specifications	
84 Months*	Construction:	Dimensionally stabilized High performance cast Vinyl with black back, optically clear solvent adhesive (heat & mild solvent [citrus] removable) with substantial paper liner.
Field test: 160 months**	Base Weight:	1.15 oz./ft <sup>2</sup> (348 g/m <sup>2</sup> )
	Hole Diameter:	0.065 in(1.66mm)
	Hole Pattern:	60/40* <sup>a</sup>
	Thickness:	7.3 Mil +/- 10%
	Rolled Shelf life:	12 months, at consistent humidity <70% & temperature between 50-80°F (10-25°)
Standard Available Sizes* <sup>b</sup>		
Finished Roll Sizes	Core	Liner Side
54"(1.37m) x 164' (50m)	3"	Liner in / CollidEscape face out
60"(1.52m) x 164' (50m)	3"	Liner in / CollidEscape face out

\*Degradation is affected by solar radiation, photocatalytic admixtures, water and moisture, chemicals, oxygen, ozone, temperature, abrasion, internal and external stress, and pigment fading. Out of all these, the following factors, all present in outdoor weathering, are the most important to coating degradation: oxidation and UV radiation.

CollidEscape contains a proprietary combination of antioxidants, thermostabilizers, & photostabilizers which reduce chalking, while increasing stability, stiffness and UV resistance. Because it is almost impossible to rank the degenerative power of temperature, moisture and UV radiation or their combination, a performance rating is offered, based on both real world and accelerated aging testing. As a general rule of thumb, the less custom and UV coatings within the applied glass, the less reflected energy back onto the CollidEscape via unobstructed light passing through perforations in the glass, resulting in improved life performance.

\*\* as of 8/1/2019 - 50% solar annum, unencumbered vertical northern, western and eastern exposure at 42° latitude 6 unique regional exposure locations

\*<sup>a</sup> 60% material, 40% hole, providing greatest structural integrity for longer material integrity performance

\*<sup>b</sup> Custom sizes available upon request. Minimum orders apply.

### Guarantee:

Bird strike reduction or complete elimination is a function of disruption of the surface reflection that birds see off a pane of glass, that they perceive as a continuation of their environment. The solutions that CollidEscape provides or recommends are all based on this simple truth; to make birds aware of vertical obstruction of glass.

The Guaranteed performance solutions are full-surface disruption of the reflection of glass, screening the entire exposed area of glass and thereby disrupting visual continuation of environment, thus eliminating the strike path for birds to strike. As long as the surface reflection remains disrupted, the performance of bird strike elimination is maintained. This guaranteed performance of strike elimination is maintained for the life of the product properly adhered to the external glass surface.

**Exceptions to the Guaranteed** - The Guaranteed solutions are just that - -guaranteed to stop all bird deaths from bird strikes. There are some rare exceptions that one should be aware of (if unsure, speak to one of our technical experts)

Mirrored Glass - Under some lighting conditions, highly reflective mirror glass can still allow for birds attempting to fly through the pane. Highly unusual to have a true mirror coating to glass, and this is NOT typical or an issue for common commercial reflective UV coated glass.

Corner Glass - Under some lighting conditions, tight cornered mullion glass can still allow for birds attempting to fly through a set of backlit corner panes. Has only occurred on corner mullions less than 18" wide, and along migratory path conditions in taller construction (several stories up)

Crows and Ravens - and sometimes blue jays, if you have birds picking at mullions, gasketing, stucco and the like, they are also clever enough to pick at and even destroy CollidEscape Window coatings - there are some work-arounds, but little can prevent a bored and clever bird from causing havoc.

**High-Performance Pattern offerings** (both dots and tapes) - These are collision reduction solutions, and work to reduce bird strike fatality by providing visual disruptions to the reflective glass surface of a sufficient density to cause birds to slow and/or evade the reflective obstruction pattern. The Pattern solutions work by taking advantage of birds natural tendency to lift their head to navigate obstructions, causing them to either avoid the vertical obstruction completely, or to at a minimum both reduce approach speed and encourage impact to occur with the chest area. Striking glass with the muscle-dense breast area indicative of birds is a far more survivable impact (bird deaths from glass typically result from broken necks or skull/beak damage resulting in starvation). Patterns will not eliminate all strikes, but the greater the density of the pattern, the greater the likelihood of outright avoidance, but also survival should impact occur (Reference the field-tested reduction percentages quoted for each variation of material and pattern density).