



08 87 00 Glazing Surface Films

Submittals Required

- .1 Elevation and detail drawings. Any required to communicate the design intent. All to include title, dimensions, scale and date.
- .2 Material samples
- .3 Product Technical Data Sheets
- .4 Mock Up is mandatory and will be reviewed and formally approved prior to proceeding.

Solar Films

.1 Product:

- x To be selected from manufacturers full line
- x Clear and non – low –8 (I226f 0.001 Tw 0.n001kvac)-1.8e279 0 Td [(I)-34.0111 (i)-1 (ne)]TJ C

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>Tj 3.1261 (i)-1 (ne)]TJ 0 Tc 18.934 0 Td44

.2 Approved Manufacturers include but not limited to:

- x 3M
- x Avery
- x Reserved

.3 Installation:

- x Certified installer
- x Clean and dry surface prior to installation
- x Installation to be smooth and free of impurities and air blisters

Safety and Security Films

.1 Product:

- x To be selected from manufacturers full line
- x Clear and non / low reflective
- x 90% UV Block
- x High heat rejection
- x Scratch resistant
- x 5 – year exterior and 10 year interior commercial warranty

.2 Approved Manufacturers include but not limited to:

- x 3M
- x Avery



x Reserved

.3 Installation:

- x Certified installer
- x Clean and dry surface prior to installation
- x Installation to be smooth and free of impurities and air blisters

Bird Control Films

.1 Product:

- x Application of film for prevention of bird strike is considered a secondary or retrofit solution with preference for etched glass following the same Flap Standards (below)
- x To be selected from manufacturers full line
- x 10–year commercial warranty
- x Refer to the following Flap Canada Standard For Visual Markers:
 - o Marker Density –separate visual markers by spaces no more than 10 cm (4 inches) apart vertically or 5 cm (2 inches) horizontally. To help make your marker pattern less visible to people, while perhaps helping to keep smaller birds safe, such as hummingbirds and kinglets, windows should not have reflective openings larger than 5 X 5 cm (2 X 2 inches).
 - o Marker Surface –apply visual markers to exterior surface (first surface) of glass to disrupt the illusion of a safe, natural environment reflected in the glass.
 - o Marker Contrast –make markers stand out in contrast to transparent or reflective exterior surfaces under varying daylight conditions.
 - o Marker Size– the dimension of a marker to be no less than .64 cm (1/4 inch).
 - o Marker Coverage–markers are to cover entire exterior glass surfaces up to 20 metres above grade or to the top of the mature tree canopy,

