

Maintenance Data:

Allow product to completely cure prior to performing any cleaning of the surface. The curing period will allow the Safety and Security Film to fully adhere to the glass window. Often there will be a noticeable haze or distortion during and immediately following the initial installation.

This is caused by remnant water trapped between the film and the glass, which results in a milky appearance. This is a natural occurrence that will eventually go away if the film is properly installed. The curing period is dependent upon several factors.

Including but not limited to:

1. Amount of water/solution left behind after installation
2. Inside/Outside Temperature
3. Film Thickness

This curing time could last from weeks to several months.

Cleaning:

1. Safety and Security film may be cleaned with a solution of water and with a small amount of soap.
2. Clean the window and then squeegee dry with overlapping strokes.
3. Do not use abrasive cleaners, industrial strength glass cleaners.
4. Do not use cleaning tools that would scratch the coating. Soft cloths synthetic sponges are recommended.

Delivery, Storage and Handling:

Once delivered to project site, product should be stored by laying flat with support across the entire box on a stable surface.

Do Not Stand on End

Store indoors, do not store in outdoor sheds or containers.

Keep away from moisture and excessive heat.

Examination, Preparation and Application:**Environmental Conditions:**

Do not proceed with application of safety and security films if the substrates are wet from rain, frost or condensation of other causes.

Safety and Security Film should not be installed when there is a chance of freezing temperatures within one week of the install date, which includes night time temperatures. The temperature will have an adverse effect on the drying of any left behind installation solution, and not allow the product to properly bond to the glass.

Glazing System Examination:

Examine glazing system for upgrade viability prior to installation of product.

1. Verify satisfactory glass quality, sufficient edge bite, spacing and elasticity of gasket material.
2. Glass substrate should be free of defects, imperfections or damage of any kind including broken, chipped, cracked, or abraded areas.
3. Verify frame and gasket are of satisfactory condition so as to not interfere with installation or typical thermal expansion and contraction of glazing system.
4. Any unsatisfactory conditions must be corrected prior to proceeding with installation.

Surface Preparation and Cleaning:

Prior to installation:

1. Clean glass thoroughly.
2. Use mounting solution (recommended content: one capful of baby shampoo to 1 gallon of water) along with tools such as; squeegees, scrub pads, lint free towels and scrapers to ensure the glass surface is clean and smooth
3. Ensure surface is free of any decals, debris, and dirt.
4. Clean frames and gasket material with towels and solution.
5. Use a final "spray and squeegee" cleaning to control dust as needed.
6. Protect window frames and adjacent surfaces to prevent damage from water used during cleaning and installation. Use towels, tape, drop cloths and any other means to protect materials like floors, walls and frames.

Product Installation:

Complete surface preparation and cleaning.

1. Cut film neatly and square to a slightly larger size than the exposed glass area.

2. Remove release liner and spray both adhesive and glass surface with mounting solution to permit positioning on glass. Place film with adhesive side on glass, ensuring entire glass surface is covered.
3. Spray outside surface with solution and squeegee film into place working from the center outward and from the top down, stopping a few inches from the edges.
4. For a daylight installation trim film to align with edges of exposed glazing, leaving approximately 1/16" to 1/8" gap from the edge of the film to the gasketing of the window system to permit edge lay down. Use sharp blades recommended for this purpose. Replace blade after approximately 4 cuts.
5. If using an anchoring system, trim film to appropriate size, larger than glass surface, as specified by the manufacturer of the retention system.
6. Repeat spraying and squeegee procedure, vigorously moving water from center to right and left edges working from top down to bottom.
7. "Bump" edges by applying firm pressure to force water out the edge using a hard card wrapped with a paper towel to ensure anchorage of the film edges.
8. Once installation is complete, clean work area thoroughly.
9. While some water may remain between the film and glass surface for up to 30 days, excessive amounts must be addressed immediately, by continued squeegeeing until all large water pockets have been removed.

Installation Quality Control

1. After installation and dry out period, film shall meet the IWFA visual acceptance standard.
2. In general, the film shall appear uniform and unobtrusive when viewed from 6 feet (2 meters). The film shall be free of physical defects such as wrinkles, creases, cuts or pinholes. The edges shall be consistent and appropriately distanced from frame.
3. For the exact details of the IWFA visual acceptance standard access the IWFA web site itself at: www.iwfa.com/professional/ProfessionalResources.
4. If installed film does not meet visual acceptance standard criteria, remove and replace with new film.