

Methodology of applied solar film.

Step 1 – Window Preparation

- Makeup slip solution in a spray bottle (1 tsp tint slime to 1-pint cold water).
- Clean the window thoroughly and ensure the area is draught and dust-free.
- Remove all traces of paint, varnish or other foreign matter with a scraper (or razor blade).
Spray the entire window with the slip solution before scraping.
- Wipe down the window and flush frame edges with the slip solution.
- Spray again with a slip solution and squeegee dry, ensuring the glass surface is very clean and dust-free.

Step 2 – Film Handling

- The adhesive surface is protected between the window film and liner.
- Window film may be cut to approximate size with a very sharp blade. It is recommended that the film be cut at least 2 cm longer and wider than the glass. You are now ready to apply the film to the glass.

Please Note: Separate a corner of the window film and liner by attaching a 2-inch piece of masking tape on the front and back of the film and pull the tapes away from each other.

Step 3 – Film Application

- Thoroughly wet the entire glass area with slip solution.
- Place film on glass with the clear liner facing you. From the already separated corner, carefully peel off the liner.
- Spray the adhesive surface generously with the slip solution (you cannot apply too much solution), as you remove the liner.
- The slip solution acts as a lubricant to allow the positioning of the film.

Please Note – Keep the film straight, do not allow the film to curl up on itself or to wrinkle. A crease or wrinkle will not flatten out on application

- Position film by gently sliding on a wet surface and smoothing out large air bubbles. Ensure all glass area is covered by film.

Step 4 – Squeegee Technique

- Squeegee angle should be high, as shown, to prevent scratching the film, only use a rubber Squeegee never a cloth or sponge.

Please Note – The angle should be close to 90 degrees

- Using firm Squeegee pressure, Squeegee from the centre of the film to the outer edges, with overlapping strokes, until the whole window is completed.
- Re-wetting of the film will be required to avoid Squeegee friction.
- On the final squeegee of the top and bottom edges, the Squeegee may be pushed toward the edge to remove excess water.
- If a particle is trapped behind the film, carefully lift the film from the nearest corner and remove the particle.
- Before replacing the film, spray sufficient slip solution to thoroughly wet the glass and film. Replace the film and re-squeegee.

Step 5 – Film Trimming

- Place a straight edge to the edge of the window (rubber gasket or window frame).
- Trim the film using a snap-off craft knife or scalpel. The blade must be kept sharp to achieve a clean cut.
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- This will leave a neat edge gap of approx. 2mm from the film edge to the frame. The edge gap is necessary but virtually unnoticeable.
- Repeat for each edge of the window.
- After trimming, remove excess film.
- Repeat entire squeegee procedure, if required.
- A firm pressure is necessary to effect a strong bond.
- When trimming is final and squeegeeing is completed, wrap a paper towel over the edge of the squeegee and carefully and completely 'bump' dry the edges of films.
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Step 6 – Edge Sealing

- Once the film installation is completed, all corners will be edge sealed to help prevent lifting of the corners

Step 7 – Curing Time

- Once the film installation is completed, leave the film to dry out for 2 to 4 weeks.

Aftercare / Maintenance.

During The Drying Period

Some haziness/misting will be evident and this will disappear as the film dries out over a 2-4 week period.

Small bubbles may appear, similar to the skin of an orange peel as the film dries out.

Again this will disappear over the 2-4 week period.

Cleaning

The film should only be cleaned 4 weeks after installation.

Clean as for normal windows and always with soft chamois leather or non-abrasive cloth and clean water

after the curing period the glass shall be cleaned every 6 months.

Damaged to film

If the film for any reason the applied film is damaged or becomes broken down / faded. the whole piece will need to be removed and replaced as per steps above.