

Application Instructions Bulletin IB 7.1 for Avery Dennison™ Automotive Window Film

Dated: 15/01/2026

1. Consult Product Data Sheet & Local Tinting Legislation

- Before applying Avery Dennison Automotive Window film (AWF), consult the appropriate product data sheet for information regarding recommended substrates and product performance. Once assured that all factors are understood with respect to the AWF product, and all factors comply with the AWF product recommendations, application procedure can begin.
- Before applying the AWF product, the user shall determine the suitability of the AWF product for its intended use. The user shall ensure that the application and the intended use of the AWF product is in accordance with any and all applicable laws and regulations concerning the use of automotive window film, and the user assumes all risk and liability in connection therewith.

2. Application Tools & Accessories

- ☐ Tool belt (Avery Dennison) – to hold all application tools
- ☐ Microfiber Felt Edge Squeegee, like the following:
Squeegee Pro Rigid White Teflon(Avery Dennison)
- ☐ 150mm window film rubber squeegee
- ☐ Retractable glass scraper (single edge stainless steel razor blades)
- ☐ Cutter with 45 degree Stainless Steel snap off blade
- ☐ Stainless steel blades 45 degrees, snap off
- ☐ Avery Dennison Snitty
- ☐ Lint-free cleaning cloth (Microfibre towels)
- ☐ Professional Heat Gun
- ☐ 1L Spray Bottle with Soap & Water mixture (10 ml baby shampoo / 1L Water) = Slip solution
- ☐ Baby Shampoo (Johnson & Johnson)
- ☐ Tap water
Note: Dimineralised or distilled water is recommended to be used where hard (high mineral content) tap water is only available.
- ☐ Avery Dennison Surface Cleaner
- ☐ Avery Dennison Adhesive remover
- ☐ Polish (ie. Mr Sheen regular furniture polish)
- ☐ Permanent black marker 1.0mm fine point (sharpie)
- ☐ Non-cratch scourers / fine (Extra / Super) grade steel-o-wool (000 / 0000)
- ☐ Tint Handle with 5" Blue Max
- ☐ Bulldozer Applicator
- ☐ Swordfish / Shank / Funnel / Triangle tint / side trim mini Squeegee's
- ☐ Auto Trim removal Nylon Plastic tools
- ☐ Trimming mat
- ☐ Peel board (ie. Gloss Perspex / Acrylic plastic or glass)
- ☐ Sharps safety container (collect snap off blades)
- ☐ Painters tape: 25mm Blue (medium tack)

3. Storage conditions & shelf life

Store AWF under the recommended conditions, keeping the film at a temperature of 20°C ($\pm 2^\circ\text{C}$) with 50 %RH ($\pm 5\%$) and in the original package with plastic roll cover. Proper storage allows the AWF to keep its maximum performance and also enables a hassle-free application, with a shelf life of 2 years from the manufacturing date. The user assumes all risk and liability for the loss of performance, when the AWF is stored improperly by the user, or past its shelf life.

4. Removal of hardware

Place the vehicle to be tinted in a clean, dust-free and well lit enclosed environment ideally temperature and humidity controlled ie Warehouse, 20°C/50% R.H.

Side window wind up, internal window run rubber / felt seal, removal will allow access to lower bottom part of internal side glass for tinting.

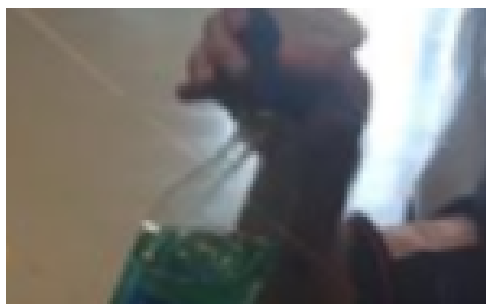
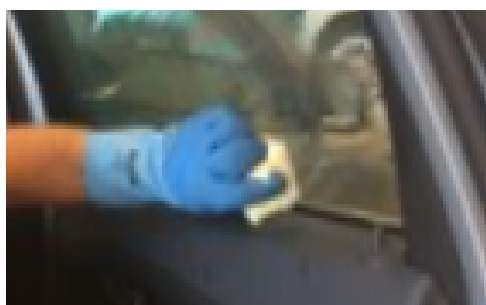
- Wind down the side glass
- Using auto trim removal nylon plastic tools, gently prize open the side door trimming via the locating clips, exposing the top section
- Gain access to pull out the internal window run rubber / felt seal. Typically the seal is fitted into a channel.

Note: some models are fixed, riveted in so best to not remove and alter Tinting installation akin to a cut fixed glass template.

- Store all hardware in a secure location, marked accordingly to easily enable relocating and refitting after tinting.



5. Preparation and cleaning of the window



Side windows: roll down or fixed

After hardware removal:

- Locate microfibre towels over door trim for side windows roll down or fixed side windows
- Commence cleaning both the interior and exterior surface of the window, spraying water and soap solution, squeegee all the solution off with the rubber squeegee.
- Note: Plastic protective sheeting can also be used or absorbent towels over all internal components of the vehicle to prevent damage (ie, Door trim, upholstery, carpet, rear parcel shelf of sedan's and SUV's in addition to any electronic auto components etc...)
- Re-spray with slip solution and use a glass scraper / non-scratch scourer to thoroughly scrape to remove any contamination from the internal & external side of the glass surface, rubber squeegee clean.
- Wipe the surface with a lint-free clean cloth to remove any remaining water and residue.
- Spray slip solution again down all side edges and bottom to flush out and remove any remaining edge contamination, making sure that no fibers or dust is remaining. Pay attention to properly clean and wipe also along the bottom seal edges, top corners of the window and rubber gaskets.
- As a final step, use Avery Dennison Surface Cleaner to remove all remaining dirt, grease and degreaser. Any persistent adhesive residue from removal of older tint film, or adhesive decals, can be removed with Avery Dennison Adhesive remover.

Note: Appropriate PPE should be worn when using solvents, for personal protection.

Note: Cover any internal surfaces: door trim, upholstery-seats, carpets, parcel shelf, etc with plastic drop sheets or absorbent towels to prevent damage, in addition to any auto electrical component damage.

- Before AWF tint installation, ensure that the window surface both inside and out, is fully clean without any contamination / residue, in order to avoid imperfection (ie. specs) in the applied film. If needed, repeat the cleaning procedure.

Fixed Rear Windscreen with demister heating bars (ie Sedan / SUV...)

- Prepare and clean the rear windscreen internal / external surface spraying with water and soap solution , squeegee off with rubber squeegee.
- Use only fine grade (Extra / Super): 000 / 0000 steel-o-wool with slip to remove protective coating on the demister bars located on the inside of the rear windscreen to ensure successful adhesion of AWF tint, and contamination removal to rear windscreen glass.

Note: Take special precaution to not use scrapers or non-scratch scourers on the internal windscreen heat wires (demister bars) to avoid any damage.

- Rubber squeegee to clean off excess slip.
- Re-spray with slip top, sides and bottom to flush out any contaminants, rubber squeegee and wipe down with microfibre cloth, to ensure the glass is clean.

Note: Cover with plastic protective sheeting or absorbent towels all internal components of the vehicle to prevent damage of: Door trim, upholstery, carpet, rear parcel shelf of sedan's and SUV's, in addition to prevent damage to any electronic auto components.

6. Installation of the film



Side windows: roll down or fixed

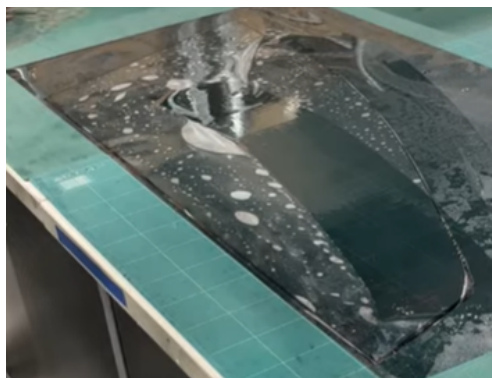
The installation of AWF to the side windows, roll down or fixed can be made by various template creation methods. The most popular ones are by:

- Pre-cut, followed by AWF installation with or without heat shrinking,
- Bulk AWF heat shrinking (wet) followed by installation.

Preparation of the film: Pre-cut Template - (Clear thin Plastic liner)

- Commence by spraying slip on the pre-cleaned outside side glass.
- Position an oversized cut length of thin clear plastic AWF liner on the outside of the wet side window with the back (non-siliconised side) facing you.
- With a black permanent marker, outline the shape of the side window:
 - For roll down, oversizing by 2-5mm to allow for edge trimming of top glass,
 - For fixed and no ceramic black out, to its actual size
 - For fixed with ceramic dots / black out, allow 2 mm coverage.
- Transfer the marked template to a cutting mat and trim to the shape of the marking
- Identify the template for reference i.e Kia 2025 Sedan, front passenger window.

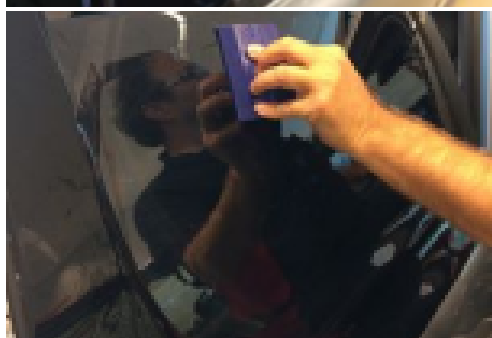




Preparation of the AWF for installation (Pre-cut template)

Ensuring you are installing the correct VLT AWF in-line with regulatory requirements, for the side glass:

- Roll out the AWF (liner facing outwards) onto a cutting mat, with the length of the film aligning with the horizontal part of the glass.
- Spray slip solution onto the rolled out AWF
- Position the AWF template on top of the AWF (length in line with Horizontal length)
- With a felt squeegee, firmly squeegee in the middle to prevent the template from moving
- Proceed to cut out the base AWF with a cutter and a new sharp blade following the template outer edge.
- When completed, remove the top template to reveal the AWF ready for installation.



Preparation of the film - Bulk / Template - heat shrink (wet)

Ensure that step 5 precleaning of the inside and outside of the window glass.

- Spray the exterior glass with the water/soap slip solution.
- Position the AWF:
 - with the correct VLT in line with regulations,
 - On the exterior of the window, AWF liner facing on the outside towards you
 - Length of the AWF aligning with the horizontal part of the glass.
- Using a cutter with a sharp blade or a snitty, size the film by trimming the excess material, cutting to approximately 5 mm over the window size.
- Once the film is correctly positioned, fix it on the window in the mid section by applying pressure with the felt side of the squeegee. Squeegee the material, starting from the middle outwards.



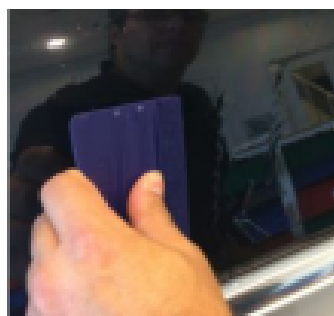
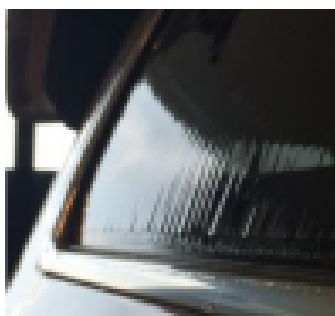
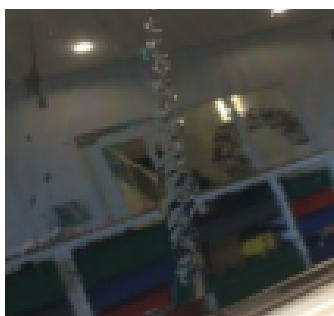
- Heat shrink the AWF to the curved sections of the window shape, heating the film with a heat gun.
- When heat shrinking the film:
 - Pay attention to heat the film uniformly
 - Do not hold the heat gun too close to the surface for too long in one spot to avoid local overheating (keep slowly moving the heat gun), adjust the heat temperature / speed
 - Drape the heat gun lead over your shoulder so it doesn't drag touch onto the vehicle surface



- When heating, small tunnels/channels will appear on the surface typically in a vertical direction (top to bottom).
- Gently felt squeegee them out of the film, starting from the center going vertically towards the top or bottom edges.
- In case large tunnels are formed, separate them in smaller vertical tunnels using the squeegee and then remove them, following the same procedure.
- Ensure to shrink the whole surface of the film, carefully removing all the vertical tunnels that are formed as explained.

Note: AWF can only be shrunk in one direction across the width of the film, aligning with the vertical, top and bottom placement.

Any AWF that bunches horizontally (down length of the original AWF), if attempted to heat shrink any tunnels / channels in the horizontal orientation will result in burning of the film so should be avoided.



- For fixed windows, after shrinking the film,
- Cut the film to the exact size of the window, trimming the excess edges. In order not to cut directly on the car window using a permanent marker to define the contour of the window on the film and then cut the film to shape.
- In case of roll down windows, carefully open the windows for a few centimeters. Then align the film with the top of the window and cut away any excess and also trim the corners of the film.

Installation of the AWF

Side windows: roll down or fixed

(Pre-cut template or Bulk / Template - heat shrink (wet))

Ensure that step 5 precleaning of the inside and outside of the window glass has just occurred.



- Spray you peel board with slip solution
- Pre-separate the liner from the base AWF with two pieces of painters tape.
- Lay your cut out AWF onto the wet peel board (scratch coat contacting the wet peel board, liner towards you).
- Wet your finger and liner with slip and commence peeling back the liner from a corner edge.
- As you peel back the liner onto itself, spray with slip the exposed adhesive taking care not to expose to contamination / dust, and ensuring the AWF stays on the peel board.
- When the liner has been fully removed and adhesive is exposed wet with slip, transfer the film cradling it over your arms if large, to the clean internal glass side window.
 - For fixed glass position accordingly, covering ceramic black out if present.
 - For roll down glass, ensure that the window is slightly wound down to position the AWF to ensure coverage of first the bottom, then front and rear sides, then position the film up to the top of the glass, with excess over the top to trim back.
- Ensure the surface of the AWF is wet with slip during squeegee application onto the glass
- Using Blue max squeegee on a handle commence from the centre top and pin the AWF horizontally from the center outwards holding on opposite ends respectively, pushing the slip solution out from under the AWF / Glass.
- With overlapping angled down squeegee strokes push out the slip solution from the centre outwards travelling down the window.
- With the AWF now fixed and not moving, using various squeegees (ie. triangle etc) checking that the film has coverage on bottom, front and rear sections given tight rubber seals.





- Commence to trim back the excess AWF on the top edge as outlined:
 - Use a new sharp 45° blade in your cutter,
 - Regularly snapping off to ensure sharp blade to obtain a clean AWF cut smooth to the feel at the bevelled edge.
 - Position the blade square onto the bevelled edge of the glass, then tilt on a sharp angle relative to the direction of your trimming
 - In tight locations where the cutting blade can't be used, trimming can occur via chiselling with the back flat edge of the blade in a sharp scissor motion.



- Wrap adsorbing cloth around the squeegee, re-squeegee the edges of the film to avoid any lifting.
- If tunnels/bubbles appear, re-squeegee out any water or air, applying firm pressure with the squeegee.
- After application, allow the film to dry for approximately 1 week.
- During the drying period, don't open the windows and don't clean the glass and film surface.



7. Installation of the AWF

Rear Fixed (curved) Windscreen / Windows (Sedans & SUV's): Preparation of the film: Heat Shrink Dry (Polish)

Prepare and clean the surface as indicated in section 5.0, taking note to not use scrapers / non-scratch scourers on heat wires (demister bars) to avoid any damage. Use only 000 or 0000 steel-o-wool with slip to remove protective coating on the demister bars to ensure successful adhesion of AWF tint.

Preparation of the film: Heat Shrink Dry (Polish)

- Using a polish (Mr Sheen) spray the entire outside of the rear windscreen then lightly wipe over the full rear screen allowing a residue to remain.
- Using a clean microfibre (pre-spray the microfibre with Avery Dennison surface cleaner solvent) remove the residue Mr Sheen polish off the rear outer windscreen in a H pattern as shown below (in red) : across the centre (horizontally) and down both outer edges vertically.
- This will enable in the next steps when the AWF is applied to heat shrink to the rear screen curved shape, by adhering to the centre cleaned glass H (centre and edge regions) yet in the remaining regions the Mr Sheen polish residue will enable the AWF to heat shrink and not adhere to the rear glass.

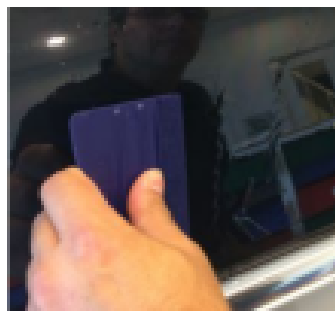
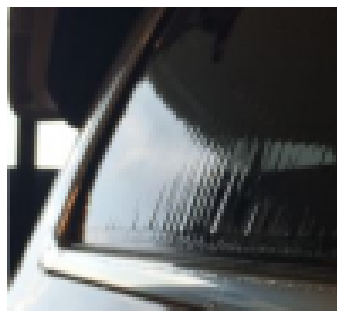
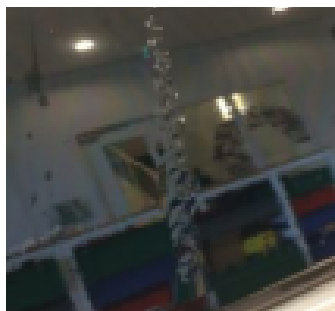


- Select the rear AWF with VLT in line with the relevant legal requirements.
- Position the rear AWF to be heat shrunk on the rear windscreen as outlined:
 - Applied with the liner facing outwards
 - Length of the roll along the horizontal
 - Felt squeegee on the H pattern to prevent it from moving
 - Size it by trimming the excess material, cutting to approximately 5 mm over the window size (larger than the dot -matrix).
- When heat shrinking the film:
 - Pay attention to heat the film uniformly
 - Do not hold the heat gun too close to the surface for too long in one spot to avoid local overheating (keep slowly moving the heat gun), adjust the heat temperature / speed
 - Drape the heat gun lead over your shoulder so it doesn't drag touch onto the vehicle surface

- When heating, small tunnels/channels will appear on the surface typically in a vertical direction (top to bottom).
- Note: AWF can also be separated from the rear glass with hot air from the heat gun directed at top and bottom edges, or by positioning paper between the glass & AWF
- Gently felt squeegee the shrunk tunnels that appear in the AWF, starting from the center going vertically towards the top (drivers side / passengers side) and then bottom (drivers side / passengers side) edges.
- In case large tunnels are formed, separate them in smaller vertical tunnels using the squeegee and then remove them, following the same procedure.
- Ensure to shrink the whole surface of the film, carefully removing all the vertical tunnels that are formed as explained.

Note: AWF can only be shrunk in one direction across the width of the film, aligning with the vertical, top and bottom placement.

Any AWF that bunches horizontally (down length of the original AWF), if attempted to heat shrink any tunnels / channels in the horizontal orientation will result in burning of the film so should be avoided.



- Once the film is heat shrunk, size the film to shape of the glass, trimming excess material up to 2-3 mm over the solid part of the dot-matrix print. Cutting can be done on the vehicle taking care not to cut the glass or it is recommended to use a permanent marker to define the contour of the window on the film and then cut the film to shape on a trimming mat.





Installation of rear windscreen - AWF: Heat Shrink Dry (Polish) - Sedan and SUV

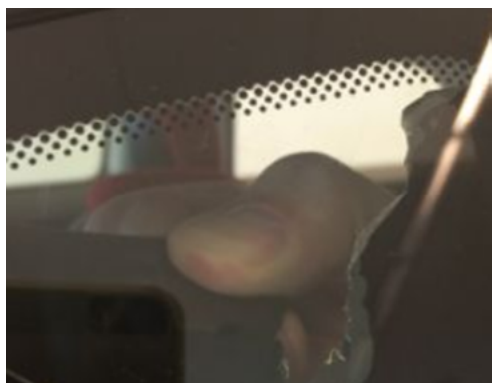
Ensure that the inside of the glass has been cleaned as indicated in section 5.0, taking note to not use scrapers / non-scratch scourers on heat wires (demister bars) to avoid any damage. Use only 000 or 0000 steel-o-wool with slip to remove protective coating on the demister bars to ensure successful adhesion of AWF tint.

- Prepare the inside of the rear window by cleaning and wetting it with water & soap solution to allow the film to be positioned. When wetting the interior glass, make sure to protect the interior of the car.
- Note: Cover with plastic protective sheeting or absorbent towels all internal components of the vehicle to prevent damage of: Door trim, upholstery, carpet, rear parcel shelf of sedan's and SUV's, in addition to prevent damage to any electronic auto components.
- Spray your peel board with slip solution
- Pre-separate the liner from the base AWF with two pieces of painters tape.
- Lay your cut out AWF onto the wet peel board (scratch coat contacting the wet peel board, liner towards you).
- Wet your finger and liner with slip and commence peeling back the liner from a corner edge.
- As you peel back the liner onto itself, spray with slip the exposed adhesive taking care not to expose to contamination / dust, and ensuring the AWF stays on the peel board.
- When the liner has been fully removed and adhesive is exposed wet with slip, transfer the film cradling it over your arms, to the clean internal glass rear side window, entering from the rear side doorway for sedan, or from rear of open SUV hatch.
- Due to the location of rear central break lights on the inside of some rear sedan windscreens, positioning of the wet AWF sliding toward the middle bottom section first, followed by the top section, smoothing out the film with your hands to the sides, making sure even coverage over the rear dot matrix.
- Ensure the surface of the AWF is wet with slip during squeegee application onto the rear glass
- Using Blue Max squeegee on a handle push the slip solution from under the AWF/Glass by:
 - Commencing from the mid centre squeegeeing Vertically outwards to the top and bottom edges, holding on opposite ends respectively, securing the AWF to the glass
 - Lightly spread the AWF from the centre outwards, squeegeeing from the mid centre horizontally to the side edges
 - With overlapping angled squeegee strokes push out the slip solution in the remaining divided x4 sections from the centre outwards travelling up the window, then from the mid section down.
- Hard to get to bottom edges can be squeegee installed using a range of squeegee tools from Bulldozer (behind rear light section), sword fish, funnel squeegee etc.

- Wrap adsorbing cloth around the squeegee, re-squeegee the edges of the film to avoid any lifting.
- If tunnels/bubbles appear, re-squeegee out any water or air, applying firm pressure with the squeegee.
- After application, allow the film to dry for approximately 1 week.
- During the drying period, don't clean the glass and film surface.



8. Cleaning, Maintenance and Removal



As mentioned it is important to allow the film to dry after application. The recommended drying time is approximately 1 week. During the drying period, don't open the windows and don't clean the glass or film surface.

For regular window cleaning, don't use abrasive fluids and cleaning brushes that can cause scratches on the surface, such as metal brushes or abrasive scrubbing sponges. Use a soft sponge, with PH neutral mild detergent diluted with water and avoid ammonia-based cleaners, and harsh cleaning solvents.

For precaution, it is recommended to always test the cleaner on an inconspicuous part of the AWF material before use.

When removing the AWF, it is recommended to start at a corner of the window. To facilitate removal, slightly heat up the film using a heat gun. Please make sure to not locally overheat the film or glass.

It is recommended to remove the film at a low angle (close to the glass / relative to the surface), in order to minimize the chance of film breakage / adhesive transfer, at a slow rate under warm conditions, again neither can be guaranteed.

Take particular care when removing the film from the dot-matrix print and ensure that the film is completely removed from these parts.

Take extra care when removing the film off window heater demister bars. Typical steamers are used to heat and soften / reduce the AWF adhesive bond to facilitate removal, although no guarantee can be given that the demister bars won't be damaged during this AWF removal process.

9. Disclaimer

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For more information regarding the warranty of particular Avery Dennison window film products, please refer to the warranty documentation.



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