

Application Instructions for Avery Dennison™ Paint Protection Films

Instructional Bulletin #4.30 (Revision 1)

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1.0 Consult Product Data Sheet

- Before applying the product, consult the appropriate product data sheet for information regarding appropriate substrates and product performance. Once assured that all factors are understood with respect to the product, and all factors comply with the product specifications, you can decide to apply the Avery Dennison Paint Protection Films.

2.0 Application Tools

- Tool belt – to hold all application tools
- Rubber Squeegee for PPF (the [Orange Crush](#) or [Clear Crush](#) are good options)
- Cutter with break off blades
- Stainless steel blades
- Lint-free cleaning cloth
- Professional Heat Gun
- Spray Bottle
- Isopropyl Alcohol
- Baby Shampoo and Water

3.0 Storage conditions

Avery Dennison™ Paint Protection Film should be stored at a Temperature of 70°F (±2°F) with 50% RH (± 5%), in the original package and in a vertical position. Proper storage allows the film to keep its maximum performance and also enables a hassle-free application. User assumes all risk and liability for the loss of performance, when the film is stored improperly by the user. Improper shall mean that the user did not store the Avery Dennison Paint Protection Film in accordance with the aforementioned instructions.

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4.0 Preparation and cleaning of the surface

- To prepare the application surface, wash it with a mild detergent solution, after which the surface should be rinsed and dried with a lint free cloth.
- After the surface has completely dried, the surface should be further cleaned and degreased using Isopropyl Alcohol and a lint free cloth. Depending upon the level of contamination, this process may need to be repeated to ensure that the surface is fully prepared for application.
- It is recommended to clean the application surface with Isopropyl Alcohol . Many other commercially available cleaning/degreasing products may be suitable for cleaning and degreasing but need to be tested prior to use, however the final cleaning on the vehicle should always be with Isopropyl Alcohol. In addition, the following factors should be included in the preparation before application:
 - Car wax and polish residues must be completely removed.
 - Avery Dennison Paint Protection Film is intended and warranted for use on fully cured OEM (Original Equipment Manufacturer) vehicle painted surfaces.
 - If the vehicle does have non OEM paint, removal of Avery Dennison Paint Protection Film without paint damage is not warranted.
 - If a non OEM pain is used paint surfaces must be completely dry, hardened and free of scratches. On most baked paints films can be applied immediately after cooling down. For air dried and car repair paints consult the paint manufacturers guidelines on when the paint will be considered fully cured. Solvent residues in painted substrates may adversely affect film adhesion and might cause excessive shrinkage or blistering.
 - Painted substrates should be dried according to the paint manufacturer's instructions to avoid solvent retention. Paint system components which are not compatible or do not adhere properly to each other may cause paint to be lifted when films have to be removed after use.
 - Special attention should be given to critical areas as edges, corners, welding seams, rivets and the like. These should be thoroughly cleaned and dried before application.
- For extra information on preparation and cleaning of application surface, additional instructions are provided in [Instructional Bulletin 1.10](#)

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5.0 Installation of the film

Avery Dennison Paint Protection Film has been designed to protect the car's body surface and can be applied to car fronts, wheel arches, rocker panels, door edges, pillars etc.

- Before starting the application, wash your hands, to avoid fingerprints on the adhesive and ensure that the Avery Dennison Paint Protection Film is applied in a clean, dust-free and well lit environment.
- Paint protection film should be applied using a combination of soap and water mix for the slip solution and a water and isopropyl alcohol mix for the tack solution.
 - For optimal application performance, the recommended soap solution for application is 1 Liter of water mixed with 2 mL of baby soap. Prepare and mix this solution into the spray bottle.
 - The tack solution should be 75% water and 25% isopropyl alcohol
- As a first step in application, cut the material from the roll to the approximate needed size and make sure to remove the cap sheet (transparent top sheet) applied on the face of the film.
- Spray the soap solution on the painted surface before applying the film.
- Remove the PET liner and spray the exposed adhesive side with the soap solution. Then position the material on the selected application area. If necessary, slide the film until you have reached the correct positioning. The surface of the film should also be sprayed wet with the soap solution throughout the application to allow the squeegee to slide across the film.



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- Once the material has been positioned, gently start to squeegee the film. Use a rubber PPF squeegee and gradually increase the pressure in order to remove all the air and water from under the film. Overlap the squeegee strokes by about 50% to avoid remaining air/water entrapments. During this phase the face of the film wet with the soap solution to facilitate sliding of the squeegee on the film surface.
- Please note that re-positioning of the film is only possible in the stage of positioning and low squeegee pressure. If done in a later stage small marks or lines might remain visible in the film surfaces.



- For curved areas, it is necessary to firmly pull and stretch the film in order to conform the film around the surfaces. It is recommended to stretch the material without applying any heat, making use of the intrinsic flexibility of the Paint Protection Film. Make sure not to overstretch the material to the point of creating white lines into the face film.

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- Conventional convex and compound shapes on car fronts are mostly suitable to be covered with Avery Dennison Paint Protection Films, but in some deeper corrugated shapes it may be necessary to make a relief cut in order to avoid any form of air/water entrapment in the deep recesses. This relief cut does not jeopardize the functionality or durability of the product.
- Once the film has been applied and effectively squeegeed on the selected application areas, proceed to the finishing step by trimming the excess film off the edges. To facilitate cutting, make sure to use new and very sharp knives for cutting: dull knives will result in blurred cutting edges.
- As the final application step, re-squeegee the most critical areas (e.g. deep corrugation and edges) with a wet squeegee to ensure secure adhesion to the substrate. To facilitate adhesion on edges, spray the edges using a solution of water and ethanol (25% isopropyl alcohol 75% water).

5.1 Videos demonstration installation of Avery Dennison Paint Protection Films

[Avery Dennison neo Paint Protection Film Application](#)

[Avery Dennison Supreme Defense Matte Paint Protection Film Application](#)

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6.0 Cleaning & Maintenance

Avery Dennison Paint Protection Films features a long-term protection of the car body during the lifetime of the product. In order to maintain and clean the film, it is recommended to use Avery Dennison Supreme Wrap Care products. Other commercially available cleaning products may be suitable but need to be tested prior to use on an inconspicuous area of the film.

6.1 Cleaning

- Wait 48 hours after installation to wash your car.
- Remove insect or other stains as soon as possible with Avery Dennison Surface Cleaner.
- Difficult to remove stains can be removed with Avery Dennison Heavy Duty Cleaner or 99% isopropyl alcohol. After using these cleaners, be sure to follow up with Avery Dennison Surface Cleaner or washing with soap and water.
- Seal with Avery Dennison Sealant at least once every 3 months to preserve high gloss. Waxes that are free of petroleum distillates can also be used to seal the film.
- Light scratches in the film will self-heal in 20-30 minutes at room temperature. In colder conditions, or to accelerate the process, pour warm water (120°F) over the affected area.
- Avoid using a pressure washer or high-pressure water source near the edges of the film, it can cause the film to lift and/or become damaged.
- Surface contaminants may also be removed using a detailing clay bar or towel.

7.0 Removal

Within the limit of its expected lifetime and if applied on properly cured car paint, Avery Dennison Paint Protection Film can be removed with nominal adhesive residue. Clean removability is not warranted and removability performance will be compromised when film is applied on existing graphics, non OEM paint or other type of surface rather than car paint.

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When removing the film, start by picking up a corner and stretching the film somewhere between a 0° and 45° angle. As the film is being stretched it will start to pop off of the surface and should remove cleanly. As you increase the angle of removal beyond 45° the occurrence of leaving adhesive residue will also tend to increase. It may be difficult to remove film that has been applied for a long time, or if the film and vehicle are cold. For the best results, try removing when the temperature of the film and surface are above 55°F. If removing in colder temperatures, you can also try using a heat gun or hair dryer to aid removal.



8.0 Warranty

Register the PPF installation online at [THIS LINK](#).

9.0 Disclaimer

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