

3M™ Paint Protection Film

Installation Solution Guide

Slip Solution

3M recommends Johnson's® Baby Shampoo and water for slip solution.

- 2ml of non-detergent slip agent per 32 ounces of water. 3M recommends Johnson's® Baby Shampoo as a slip agent.
 - Adjust the amount of slip agent ratio depending on your needs. The hotter the installation environment temperature, the more slip agent to water ratio, will be required
 - Avoid detergent based slip agents, such as dish or laundry soaps
 - When using Scotchgard Paint Protection Film Pro Series, be sure to start with at least 2ml of slip agent per 32 ounces to start, as you may find you need less slip agent content in your solution when working with Scotchgard™ Paint Protection for small parts or cooler temps. For hotter weather or summer months may go up to 6 mils of slip agent.
- The purpose of Slip solution is to keep the film from bonding to the installation surface, during the installation process. Use liberally when initially applying the film and to prevent premature bonding during installation.

Slip Solution Alternative

3M recommends Paint Protection Film Installation Gel (Part #38590).

- An alternative to slip solution
- Works well in conjunction with slip and tack solution, if desired
- Can be used as a foundation solution for film to rest upon, during installation
- Extended work times
- Low drip clinging formula
- Cleaner overall installation appearance
- Comes ready to use, no mixing required
 - Can be adjusted with slip agent or isopropyl alcohol to meet your installation environment's temperature

Tack Solution

3M recommends 70% concentrate isopropyl alcohol in a tack solution.

- 4-8 ounces of isopropyl alcohol per 32 ounces of water
 - Adjust the isopropyl content to your installation environment where hotter means less and colder means more isopropyl alcohol content to the tack solution mixture
- The purpose of tack solution is to help wash out slip agent and allow the film to bond to the installation surface. Be sure to use tack solution when and where it is needed.
- Other option is 190 proof Grain Ethel Alcohol, 5 ounces per 32 ounces

Pre-Installation Instructions

- Wash, clean, and dry vehicle (be careful to wash out jambs and panel seams).
- Upon inspection, if you find light scratches or various paint conditions that may show in your film installation, use the Meguire's™ MT300 and DMCKit5 Microfiber Finishing System to clean and clear those areas prior to installation.
- Use an adhesive remover solvent (3M recommends General Purpose Adhesive Cleaner Part #08984) to remove any surface residue not removed in the cleaning process (i.e. wax, tar, paint sealant).
- Use a non-ammonia foaming glass cleaner to remove any solvent residue from the adhesive cleaner. 3M recommends part #08888 foaming glass cleaner.
- Use a clay bar to remove surface contaminants on the painted surface. 3M recommends any mild clay bar such as Meguire's™ mild C2000.
- Recommended to use Meguire's™ Quik Detailer (hydrophobic polymer wax) or if in body shop then Meguire's Final Inspection to get gain more adhesive working time on PPF for larger automotive areas, such as hoods.
- Wipe down vehicle with non-abrasive cloth and do final inspection prior to installation. 3M recommends part #39016 microfibers.

Post-Installation Instructions

Gently wipe down film, dry, and inspect. Allow 15 minutes for adhesive to dry before putting pressure on film to avoid leaving marks in the adhesive. If a mark occurs, it can be corrected by lifting the film, and re-installing with your slip/tack solutions, or gel.

Care Instructions

- After film installation, wait one week before washing or waxing the vehicle, in order to help ensure proper adhesion build of the film has been achieved.
- Use waxes that do not contain dyes, abrasive polishes, and/or rubbing compounds. 3M recommends 3M™ Performance Finish when waxing the vehicle.
- After waxing the vehicle, remove any wax build-up along film edges with a lint-free cloth.
- Visit 3M.com/automotive to order 3M's Car Wash Soap, Waxes, Polishes, and High-Performance Detailing Cloths.
- For general questions about all 3M™ Paint Protection Films, visit 3M.com/paintprotectionfilm.

Commercial Solutions

3M Center, Building 220-12E-04
St. Paul, MN 55144

1-800-328-1684
3M.com/PPF

© 3M 2021. All rights reserved.
3M, Scotchgard, and Meguire's are trademarks of 3M. Used under license in Canada.
All other trademarks are property of their respective owners.
Revision C, January 2021 Please recycle.

