Scotchgard™ Paint Protection Film Pro Series
Scotchgard™ Paint Protection Film Pro Series 200
3M™ Paint Protection Film Series 100 Gloss

Installation Solutions

The slip solution must be prepared freshly every day. Do not store overnight!

Slip Solution

Scotchgard™ Paint Protection Film Pro Series 200

DI Water or Filtered water	32 ounces or 1000 ml	*or*	DI Water or Filtered water	32 ounces or 1000 ml
Johnson's® Baby Shampoo	1.5-2 ml*		Dawn® dish soap	1 ml*

Slip Solution

3M™ Paint Protection Film Series 100 Gloss

DI Water or Filtered water	32 ounces or 1000 ml	*or*	DI Water or Filtered water	32 ounces or 1000 ml
Johnson's® Baby Shampoo	1-1.5 ml*		Dawn® dish soap	.75 ml*

Slip Solution

Scotchgard™ Paint Protection Film Pro Series

DI Water or Filtered water	32 ounces or 1000 ml	*or*	DI Water or Filtered water	32 ounces or 1000 ml
Johnson's® Baby Shampoo	2.5 ml*		Dawn® dish soap	1.25 ml*

**Suggested solution mix starting points. In hot environment, always keep the paint protection wet.*

Alternatively, in hot environments:

- Add 0.5 -1.0 ml more soap to the mix for Scotchgard™ Paint Protection Film Pro Series 200 and 3M™ Paint Protection Film 100 Gloss
- Add 2-3 ml more soap for Scotchgard™ Paint Protection Film Pro Series

3M™ Paint Protection Film Installation Gel

- Alternative slip foundation to water/shampoo solutions
- High viscosity water-based gel
- Ready to use



Tack Solution

Isopropyl alcohol (Isopropanol)99%	150 ml	*or*	Isopropyl alcohol (Isopropanol) 70%	250ml
DI Water or Filtered water	850 ml		DI Water or Filtered water	750ml

Hybrid Solution

Johnson's® Baby Shampoo	2 ml	*or*	Johnson's® Baby Shampoo	2 ml
Isopropyl alcohol (Isopropanol)99%	150 ml		Isopropyl alcohol (Isopropanol) 70%	250ml
DI Water or Filtered water	850 ml		DI Water or Filtered water	750ml

Installation Tools

Tools to use for a proper paint protection film installation:

- Disposable Syringes 5 ml
- Scotch-Brite® Microfiber Cloth
- 3M™ Perfect-It™ Cleaner Clay or Meguiar's® C2000 Pro Detailing Clay (Mild)
  - *Optimal:* 3M™ Surface Preparation System (Available in EU)
- 3M™ Paint Protection Film Installation Gel
- Turbo Squeegees or Fusion Squeegees
- Cutting Knife 30-degree blades

Cap Sheet

Cap sheet layer helps protect the film's quality and is easily removed. Cap sheet pulls off by hand on bulk installation and needs to be removed before plotter cutting.

IMPORTANT: To prevent possible tunneling or buckling, roll up the film firmly, ensuring no slack, after cutting any film for bulk parts or plotter cutting and add tape within six inches of each roll edge and in middle of the roll. Stand partial rolls straight up and down on rack or similar.

Installation Instructions

1) Make sure there is no ceramic coating applied to the vehicle paint. If there is, ceramic coating can be removed by working with an authorized paint correction specialist/automotive detailer.
2) Use an adhesive remover solvent (3M recommends 3M™ General Purpose Adhesive Cleaner) to remove any surface residue not removed in the cleaning process (i.e. wax, tar, paint sealant).
3) Use a non-ammonia foaming glass cleaner to remove any solvent residue from the adhesive cleaner.
4) Use a clay bar to remove surface contaminants on the painted surface. 3M recommends any mild clay bar such as 3M™ Perfect-It™ Clay Bar or Meguiar's® C2000 pro detailing clay.
5) Wipe down vehicle with non-abrasive cloth and do final inspection prior to installation. 3M recommends Scotch-Brite® Microfiber Cloth
6) After installation is complete, gently wipe down film, dry, and inspect. Allow 15 minutes for adhesive to dry before putting pressure on film to avoid leaving marks.

Bulk Installation Note

1) For a bulk installation, dry areas that may have been exposed to excess slip when making anchor points on an install. For example, when stretching four corners for a bulk hood install. Wipe off any slip or flush out any slip and dry off in non-active area anchor points on bumper or fender as you stretch the Scotchgard™ Paint Protection Film Pro Series 200 or 3M™ Paint Protection Film Series 100 Gloss over the hood and lock it in place. Hold for ten seconds to activate the firmer adhesive to stretch out any fingers and lock the four anchor points in place with warm water or tack solution.

ONLY for Scotchgard™ Paint Protection Film Pro Series:
For additional working time, use Meguiar's® Ultimate Quik Detailer™ (hydrophobic polymer wax) or Meguiar's® Final Inspection, if a paint body shop, to gain more adhesive working time on paint protection films for larger automotive areas, such as hoods. DO NOT INSTALL ANY HYDROPHOBIC POLYMER WAX ON EDGES OF ANY INSTALLATION AREA OR WRAPPED EDGE. IF ANY GETS ON EDGES REMOVE BEFORE INSTALLING.

Only for 3M™ Paint Protection Film 100 Gloss and
Scotchgard™ Paint Protection Film Pro Series 200:
For application over complex curve: activate the adhesive with "Tack Solution" and hold the film in place for at least 10 seconds. Warm water can be utilized in solutions to assist as needed with installation.

Application Temperature:
Recommended application temperature: 60° – 85°F (16° – 30°C)
IMPORTANT: 3M recommends ease of application at +70°F to 79°F (+21°C to +26°C) for optimum application for paint protection film and vehicle.

Maintenance, Cleaning and Removal

- Recommended to wait at least 72 hours before washing vehicle after paint protection film application.
- Touchless car wash and hand washing are preferred methods.
- Loose paint protection film could tear away from a moving vehicle. After washing, check all the paint protecting films carefully for edge lifting and repair, remove or replace damaged paint protection films.
- If a pressure washer is to be used, then there are strict guidelines that need to be followed. However, aggressive washing can damage the paint protection film. Excessive pressure during power washing can damage the paint protection film by forcing water underneath the film and weakening the adhesion strength to the paint surface, causing the film to lift or curl. These problems are magnified by wind.

To avoid edge lifting or other damage to the paint protection film, follow these important steps:

- Use a spray nozzle with a minimum 40-degree wide spray pattern
- Be sure the spray nozzle includes a nozzle protector (tip guard).
- Use a maximum pressure of 80 bar
- If the system is heated, limit the water temperature to 140°F (60°C) or less
- Hold nozzle at least 30 cm away from and perpendicular (90 degrees +/- 10) to the paint protection film or a minimum of 100 cm away from the graphic at a 30° angle, or higher.
- Do not direct the water stream between 0° – 60° to the edge of the paint protection film.

Maintenance, Cleaning and Removal (continued)

The surface of the paint protection film is coated with a clear coat. This protects the surface to a high degree against environmental influences and mechanical stress. A commercial shampoo can be used for regular cleaning.

Cleaning with strong alkaline, acidic, or alcoholic cleaning agents should be avoided, as permanent damage to the film may occur.

Recommended Waxing and Alternatives:
Regular treatment of the surface with a polish or wax is not necessary.
For all PPF waxing, do not use wax that contain dyes, abrasive polishes and/or rubbing compounds. The abrasive particles will damage the film surface and result in a loss of surface quality.

- 3M PPF Series 100: Use 3M™ Perfect-it™ Show Car Paste Wax (PN39526) applied within three months after PPF installation. Keep washing and recoating regularly as there is no hydrophobic coating on 3M PPF Series 100.
- 3M PPF Series 100 or Scotchgard™ PPF Pro Series: Use 3M™ Ceramic Coating (PN39901) or 3M™ Ceramic Boost Spray (PN39905) to add a hydrophobic coating for easy clean features and additional stain resistance.
- Scotchgard™ PPF Pro Series 200: Use 3M™ Ceramic Coating (PN39901) or 3M™ Ceramic Boost Spray (PN39905) applied 3-6 months after PPF installation to improve hydrophobic properties for easy clean features and additional stain resistance.

After waxing your car, you can remove any wax build-up along film edges with a lint-free cloth. Visit www.3M.com/automotive to order 3M's Car Wash Soap, Waxes, Polishes and High-Performance Detailing Cloths.

Removal:
Recommended to use a steamer for removal. Correct angle of removal is 30 – 60 degrees from the surface of the paint.

Factors that Affect Paint Protection Film Performance Life
The actual performance life of a paint protection film is affected by:

- Selection, condition, and preparation of the substrate
- Surface texture
- Application methods
- Environmental conditions

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