

APEAX XTREME

INSTALLATION GUIDELINES



Guide for Installing Paint Protection Film

Discover the professional techniques for applying paint protection film with this comprehensive guide. The instructions provided encompass both installation gel and slip solution methods, allowing you to select the approach that aligns with your preferences.

It is crucial to meticulously adhere to all the instructions outlined here to achieve an end product of superior quality.



Prior to Installation (Surface Preparation)

To prevent contamination during the installation process, it is crucial to meticulously clean the vehicle's surface. We recommend using a high pH detergent diluted with water for washing, as this mixture effectively removes oil, dirt, grease, bugs, and road film better than regular soap.

Focus on cleaning the area surrounding the section where the film will be applied. For instance, if you intend to install a strip of paint protection film (PPF) on the car hood, ensure the entire hood, fender, and headlights are thoroughly cleaned.

To prevent dirt from leaching out during installation, employ a high-pressure washer and/or pressurized air. Cleanse the seams and openings around headlights, grilles, fog lights, etc., ensuring a pristine base for PPF installation.

After washing the car, use a cleaning clay bar, pad, mitt, or auto scrub to meticulously cleanse the surface before applying PPF. The clay will effectively eliminate paintwork defects such as metal dust, road debris, and particulates not removed during earlier cleaning processes.

If additional degreasing is necessary, use isopropyl alcohol to remove oil deposits and wipe the surface dry.

For optimal cleanliness, employ pure isopropyl alcohol and lint-free wipes to clean the edges of the designated PPF application area. This step guarantees that the edges are free from all contaminants, enhancing the surface contact with the film.

When mixing the solutions below, please use a 1000ml spray bottle of distilled water. It is important to measure exactly using a syringe, if you add too much alcohol you may burn the adhesive. You can also use straight hot water (very hot) in place of tack solution. Do not use too much alcohol.

Slip Solution

Johnson's Baby Shampoo	_____	2.5 - 3.5ml (needs to be measured with a syringe*)
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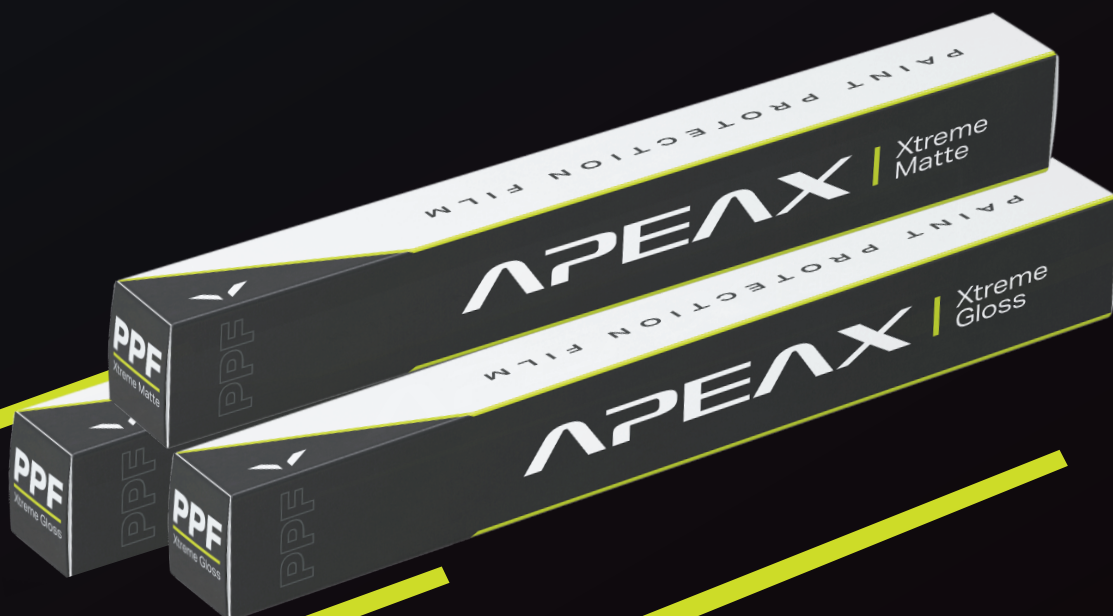
Hybrid Solution

A Hybrid Solution is a balanced spray mix of distilled water, baby shampoo, and isopropyl alcohol to provide both slip for positioning and tack for adhesion, ideal for complex curves and precise areas.

Isopropyl alcohol (Isopropanol) 99%	_____	100ml
Johnson's Baby Shampoo	_____	2ml*

Tack Solution

Isopropyl alcohol (Isopropanol) 99%	_____	100ml
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APEAX OPTISHIELD™ WPF INSTALLATION GUIDE

Windshield Protection Film – Professional Installation

OptiShield™ WPF by Apeax Films is engineered to protect your windshield from stone chips, road debris, pitting, and everyday wear. For best results, follow this installation guide carefully, keep your workspace clean, and take your time with each step.



Recommended Tools

- Clean microfiber towels
- Spray bottle with **slip solution** - As above approved PPF slip
- Squeegee suitable for film installation
- 3:1 Water/IPA cleaning solution
- Glass scraper or razor blade (if needed, used carefully)



STEP 1: DEEP CLEAN THE WINDSHIELD (THEN CLEAN IT AGAIN)

A flawless installation begins with a spotless surface. Even a tiny speck of dust can show up directly in your line of sight once the film is installed, so thorough preparation is critical.

What to Do:

- Wash the windshield and surrounding panels to remove loose dust and dirt.
- Wipe down your installation area to minimise contamination.
- Remove any existing glass coatings, hydrophobic layers, or Rain-X style products.
- Use a 3:1 Water/IPA cleaning solution to break down residue and ensure the glass is completely bare.
- Wipe down your installation area to minimise contamination.
- Remove any existing glass coatings, hydrophobic layers, or Rain-X style products.
- Use a **3:1 Water/IPA cleaning solution** to break down residue and ensure the glass is completely bare.

Why It Matters:

Any leftover dirt, grease, or coating will prevent proper adhesion and can cause bubbles, streaks, or hazing. A perfectly clean surface is the foundation of a perfect installation.



STEP 2: ALIGN THE FILM & PRE-RELEASE THE LINER

Once your windshield is clean and dry, it's time to position your OptiShield™ WPF.

Positioning Tips:

- Lay the film over the windshield with the **liner facing outward**.
- Ensure the film follows the natural shape of the glass with even spacing on all edges.

Pre-Releasing the Liner:

This step prepares the film for a smooth install without fully exposing the adhesive.

- With the film in place, peel the liner **halfway down** while spraying slip solution underneath.
- Repeat on the opposite side.
- **Do not** remove the liner entirely at this stage—only loosen it so it can be easily pulled during installation.

Carefully roll or lift the film off the windshield, keeping the liner in place and taking care not to crease the material.



STEP 3: INSTALL, POSITION & TACK OPTISHIELD™ WPF

Before locking anything in place, make sure the film sits perfectly on the glass.

Installing the Film:

- Generously spray slip solution onto the windshield.
- Begin peeling the liner away from one end of the film and lay the exposed adhesive side onto the glass.
- Continue removing the liner gradually while laying the film down, ensuring plenty of slip solution stays between the film and the glass.

Fine-Tuning the Position:

- Apply plenty of slip solution under the film to allow smooth movement.
- Slide and adjust until the edges sit evenly across the windshield

Tacking the Film:

- Once aligned, squeegee a single firm pass **straight down the centre** of the windshield.
- This anchors the film and prevents shifting as you begin the main squeegee process.



STEP 4: SQUEEGEE ALL MOISTURE OUT

OptiShield™ WPF is thicker and more durable than standard window tint films, so thorough moisture removal is essential.

Squeegee Technique:

- Work from the centre outward in overlapping strokes.
- Apply firm, consistent pressure—expect to use more force than with a standard film.
- Plan for **6–8 full passes**, checking for any remaining pockets of water.

What to Look For:

- No visible water pockets
- No trapped air
- Edges fully seated with no lifting
- Smooth, distortion-free visibility
- Moisture that is not removed can create hazing or lift points, so take your time with this step.



Final Notes

- Small streaks or haze may appear during the first **24–48 hours**—this is normal and will clear as the remaining micro-moisture evaporates.
- Avoid car washes, pressure washers, or harsh chemicals for at least **48 hours** after installation.
- OptiShield™ WPF is typically **fully cured after approximately 7 days**, depending on climate and conditions.

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SURFACE PROTECTION

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