

SunTek® Paint Protection Film Fitting Guide

Recommended Installation Tools

Basic tool guideline recommended for a basic PPF installation:

Squeegees - Hard Card type, Yellow or Green Turbo, PU Squeegee (Squeegees can come down to personal preference but at the very least we would recommend starting with a 130mm Yellow Turbo squeegee).

12" One Pass Squeegee - For removing water/soap residue after preparing area for application.

Retractable Blade/Knife - For trimming PPF

Spray Bottles - You will need at the least two spray bottles (3 if you wish to have a water bottle/sprayer). One for your baby shampoo/water solution and another for your ISO/water solution.

Detailing Clay Bar - For preparing your application area on the vehicle.

Recommended Slip Solution Range for SunTek® Products

Temperature	12-18°C	18-23°C	23-29°C	30-40+°C
950ml Spray Bottle	2ml	2.5ml	3-4ml	4-5ml
1800ml Spray Bottle	4ml	5ml	6-7ml	7-8ml
3 ltr Bottle	8ml	10ml	12-14ml	14-16ml

Recommended Tack Solution Range for SunTek® Products

Isopropyl Alcohol (ISO)	Recommended	Maximum
70%	15% ISO and 85% water	25% ISO and 75% water
91%	10% ISO and 90% water	20% ISO and 80% water

Recommended Panel Preparation (before installation)

Clean the panels for application with soap and water. It is important to clean the panel thoroughly to avoid contamination during the installation process. Clean areas around the panels as well ie. if you are installing a partial hood, clean the entire hood, fenders and headlights also. Use high pressure water or an air hose to blow out areas such as headlights, grilles, fog lights etc., these areas can hold dirt that will otherwise wash out during the installation and contaminate the film.

Use soap/water and detailing clay bar to clay the installation surface. Clay will remove imperfections in the paint that aren't removed during the initial wash (rail dust, trash, etc.).

Using alcohol and a lint free towel, wipe down the edges of the installation panel. This will ensure the edges are free of any contamination and will help create a stronger bond of the film to the panel.

Recommended Installation Environment

Paint Protection film is recommended to be stored and installed between 15 -32° Celcius. Do not install paint protection film in direct sunlight.

Adjusting to Colder Temperatures:

- With cold weather you can use around 20% less soap in your slip solution mixture
- Use warm water in the solution mixture
- Warm the panels before installation. We recommend the panel read at least 12° Celcius for installation
- Keep the film warm, this will keep the film pliable and the adhesive tacky

Adjusting to Colder Temperatures (continued)...

- An IR Heat Lamp is commonly used in the installation area
- Be sure to warm/seal edges after installation. Tip* if the heat gun is too hot to hold 6-8 inches from your arm for 2-3 seconds then it is too hot for the film.

Adjusting to Warmer Temperatures:

- Pop the hood and let the engine bay cool before installation
- Do not install in direct sunlight
- An extra drop of soap or two in your slip solution will prevent the film from sticking to warm panels quickly

Installation Tips and Tricks

Fingerprints

- It is easier to remove fingerprints from our adhesive, but remember a dry finger to a dry adhesive will create a finger print.
- Remember to keep your fingers wet during the installation. You can reduce the risk of fingerprints by wearing gloves during the installation.
- If a fingerprint occurs, spray the fingerprinted area with soap & water and rub with your hand until the fingerprint is removed.

Removing Dirt/Debris underneath the film

- Spray under the film with soap & water and remove the dirt/debris with your finger tip. Do not scratch vigorously at the glue, this can damage the adhesive and it will be visible especially on darker cars.
- Whenever you are re-lifting the film, do not use the tack solution. The alcohol will make the adhesive sensitive and can be damaged more easily, make sure to use the soap & water.

Lift Lines

- To reduce the chances of a lift line, avoid opening the film to a "hard line", always open the area up to a pocket. Spray underneath the film with a lot of soap & water, squeegee towards the potential lift line first, and then squeegee the soap & water away from the area.
- If you have to re-lift the film after a long period of time, you can re-lift the film to a body line, making any potential lift areas harder to see.

Scuffing the Film

- Remember to keep the top of the film wet with soap & water during installation to prevent scuffing the film with a squeegee.
- If it does scuff, allow the film to sit for 30-45 minutes then use alcohol and a micro fiber towel to remove the scuff.

Bubbles

- Always squeegee away from areas where you used tack solution. Squeegeeing back through tack solution can create bubbles.
- In some cases bubbles that are 4-5mm in diameter or smaller may dry, but it is best to remove any moisture you see. If you leave too large a bubble to dry, it may dry but it will likely turn into an air bubble.
- A moisture bubble can be removed post-installation using a 1cc/1ml 30g syringe to remove the moisture.

Preventing Edge Lifting

- It is important to prep your panels properly. Ensure you wiped down all edges with a lint free towel and isopropyl alcohol prior to installation.
- Ensure your edges seal properly. For kits that are not intended to wrap, your pattern should stop 1.5mm from the edge of the panel, before the panel starts to roll around.
- If there is a small amount of film hanging over the edge, you may be able to lay it down once the film dries however this creates a potential lift spot that will collect dirt later down the road. Make sure your film edges seal on the flat surface of the panel as stated above.
- Allow the vehicle to sit for a minimum of 1-2 hours after installation before driving the vehicle. This is even more important in cold/rainy climates.
- In certain climates it can be helpful to heat your edges to ensure a proper bond.

Tips & Tricks continued...

This does not mean melting the film to the panel. Hold the heat gun 6-8 inches from the film and pass along the edges with the heat gun and a dry lint free towel. If the heat gun is too hot to hold 6-8 inches from your arm for 2-3 seconds it is too hot for the film. You can overheat the film and destroy the adhesive.

Edge Wrapping

- Prep the wrapped edge during your initial panel preparation.
- Use straight alcohol on a lint free towel and wipe down all areas that will be wrapped. This is important because areas such as underneath a hood are exposed to gas & oil and need to be cleaned thoroughly.
- You can use adhesive promoters such as "Pro Bond" for wrapped areas. Do not use an adhesive promoter anywhere that will be seen. A slight discoloration can occur and removal is riskier when an adhesive promoter is used.
- Ensure you have at least 12.5mm of film for wrapping. You want at least this amount of film to create a lasting bond.
- The best practice is to finish your installation, leaving the wrapped edge to dry. Flushing the edges with the alcohol solution will allow them to dry out faster.
- Wrap "dry" by running your thumb along the edge of the panel, moving further over the edge with each pass

Recommended Removal

- Lift a corner of the film to a 45° angle
- Pull the film towards yourself
- Do not fold the film over and tear the film off. This can leave adhesive on the vehicle.
- Heat or steam is not necessary for removal, unless removal is occurring in colder temperatures (<12° Celcius)
- SunTek does not warranty the removal on aftermarket paint. We feel confident that proper removal on factory/original paint will not remove paint.

Recommended Cleaning & Maintenance

Recommended Cleaning

- Hand wash with soap and water regularly
- Hand wax once or twice a year with a non-abrasive wax for added protection and to maintain gloss*

*Eastman engineers have tested Meguiars Ultimate, Turtle, and Mothers Synthetic Waxes with positive results

Recommended Maintenance

- To remove dirt or wax that has collected along the edge of the film, use a cleaner or alcohol on a microfiber towel and clean the edge of the film
- In order to prevent staining remove bird droppings, bugs, tree sap, etc. from the film in a timely manner
- Eastman Paint Protection Film has a proprietary top coat that protects the product from discoloration, however if the film is neglected or is exposed to extreme situations a slight discoloration can occur.

If discoloration occurs the recommended step is to:

- Use a mild-abrasive wax and polish the surface of the film to restore the original appearance (ex: Turtle Wax Renew Light to Medium Polishing Compound)
- Polishing/buffing of the film is a great way to remove contaminants from the surface, however this process should be limited to as-needed or once every 12-18 months

SunTek[®] PPF Frequently Asked Questions

How soon after installation of Paint Protection Film can I drive the vehicle?

In an ideal situation, an installer will have the vehicle 24 hours to monitor the film for any lifting edges before releasing the vehicle to the owner. In situations where this is not possible, we strongly recommend at least a 2-3 hour waiting period indoors followed by an inspection to ensure all edges are sealed before the vehicle is released.

How do I clean SunTek PPF?

Hand wash with soap and water regularly, also hand wax once or twice a year with a nonabrasive wax for added protection and to maintain gloss (Eastman engineers have tested Meguiars Ultimate, Turtle, and Mothers Synthetic Waxes with positive results). The collection of wax and/or dirt along any film edge can be removed using a soft bristle brush and soap.

Can I take my car through a pressure wash with SunTek PPF?

It is best practice to wait 3 days before washing your car. While hand washing is preferred, you can use a pressure wash, but be careful near edges as the pressure water can lift the edge.

Can "coatings" be applied to SunTek PPF?

We have not tested SunTek PPF with any coatings, so we do not support any officially from a manufacturing perspective. However, the majority of coatings are "soft" and should not interfere with the self-healing property of SunTek PPF. Coatings are commonly applied with success to SunTek PPF, however if a coating damages the PPF, SunTek is not liable.

Can SunTek PPF be applied over repaired/fresh paint?

SunTek PPF is designed and warranted when applied to original paint. Issues with aftermarket/repainted paint are not warranted by SunTek. If you choose to still have SunTek PPF installed over fresh paint, the common waiting period is 30 days for the paint to outgas.

Should I wax my car prior to having SunTek PPF installed?

It is not recommended to apply wax or any coatings to your vehicle prior to having SunTek PPF installed. Any waxes or coatings can interfere with proper adhesion of the film to the vehicle.

How does the self-healing work?

SunTek applies a proprietary top-coat to PPF. This top coat protects the urethane against surface scratches. The majority of surface scratches will self-heal from SunTek PPF when exposed to heat - sun, warm panel (motor running), warm water, etc. We demonstrate this with a copper wire brush to simulate surface scratches that will self-heal such as surface dirt, sand, salt, etc.

Will SunTek PPF turn yellow?

Unlike many other films, SunTek PPF is protected against yellowing. Our proprietary top coat protects the PPF against harmful solvents that are in gas, oil, bird droppings, car exhaust, etc. that can absorb into the film and discolor it.

If there is a stain that will not wash off, what do I do?

If a stain will not wash off with a regular car wash, you can apply isopropyl alcohol to a microfiber towel and clean the stain, if that does not work you can use a small amount of lacquer thinner.

If the stain remains we would recommend you use a mild-abrasive wax and polish the surface of the film to restore the original appearance. Polishing/buffing of the film is a great way to remove contaminants from the surface, however this process should be limited to as-needed or once every 12- 18 months.

An example of a mild-abrasive wax would be Turtle Wax Renew RX Polishing Compound Light to Medium Cleaner.

If I only have a partial kit, will there be a difference in the fading of the paint?

No. The area protected with SunTek PPF will fade at the same rate as the unprotected area.

Can I wax the PPFMatte?

Some waxes will add a level of gloss to PPFMatte. However, there are waxes on the market specifically for matte finishes. Waxing is still recommended for added protection.

SunTek® PPF Frequently Asked Questions continued...

How do I remove SunTek PPF?

SunTek PPF can be removed without damaging your paint or leaving behind adhesive if removed properly. Lift the film at a 45° angle and pull towards yourself, this will cause the adhesive to release. Do Not fold the film over on itself and rip it off, this can leave adhesive behind. In cold weather environments we recommend a steamer to aid in softening the film/adhesive for removal.

If I look at installed PPF with polarized glasses, I see an iridescent look, is this normal?

This is purely an interaction between light reflected from car surface through the film and polarized glasses, and not a defect. Light reflected from the surface is polarized in different direction and each polarization propagates through the film differently. This is an inherent feature of the film as it gets oriented to some degree during the installation. A Good analogy will be looking at a screen of A TM machine in polarized glasses - you can see a normal screen when you look straight at it and then you tilt your head and see a black screen.