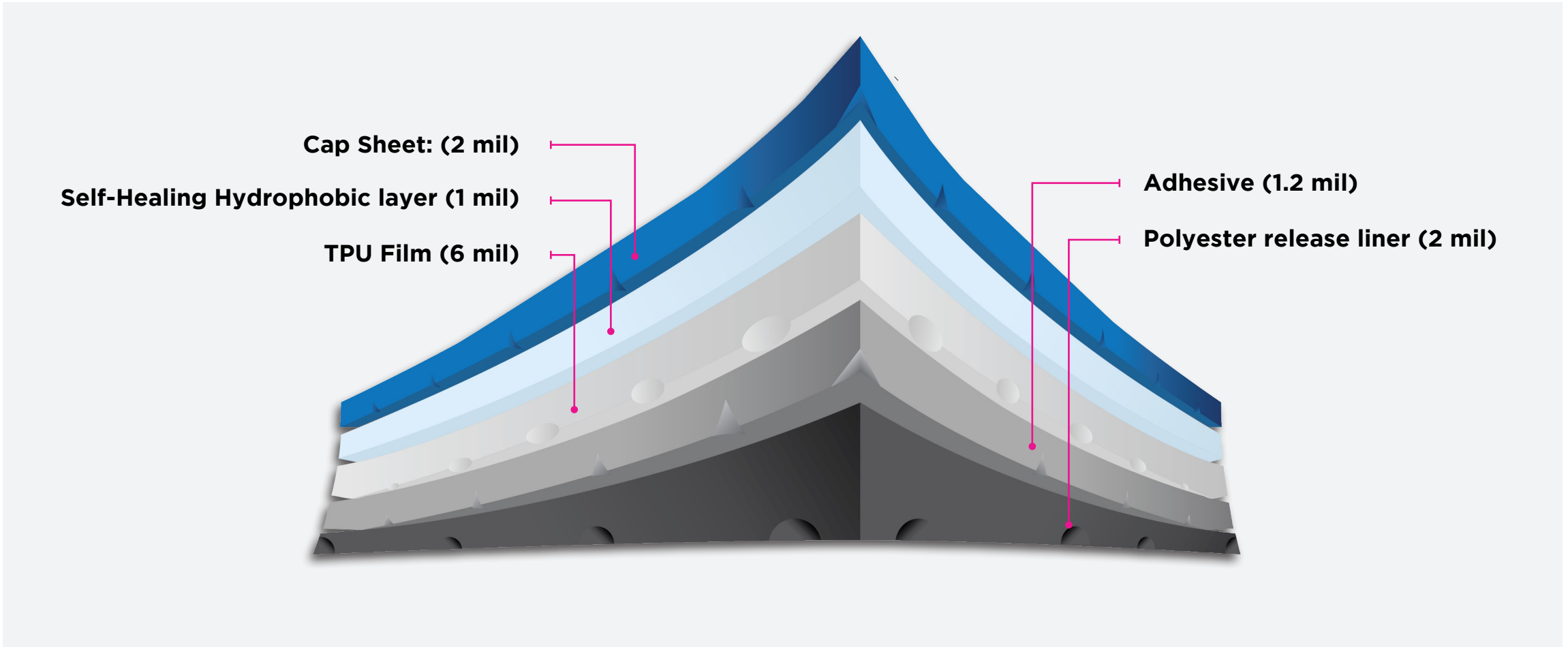




KAVACA

PAINT PROTECTION FILMS

KAVACA PAINT PROTECTION FILM LAYERS



WHAT IS KAVACA PAINT PROTECTION FILM?

- ❖ KAVACA PPF is a multi-layer aliphatic polyurethane film
- ❖ Aliphatic polyurethane dries to a tough finish and is highly resistant to water and ultra-violet rays, so it will not quickly break down or turn yellow when exposed to sunlight
- ❖ KAVACA Ceramic Coated PPF is designed to improve the visual appearance by adding gloss and hydrophobic effects to any surface it is installed on
- ❖ KAVACA PPF is specifically designed to protect painted surfaces from abrasion, corrosion, chemicals and other types of physical damage





TOOLS NEEDED

- 2" Pink KAVACA Squeegee
- 4" Pink KAVACA Squeegee
- Olfa Knife w/ Carbon Steel Blade
- (2) 32oz. spray bottles
- Microfiber rags
- Heat Gun
- Seventh Generation Dish Liquid
- 70% Isopropyl Alcohol
- Clay Bar
- Steamer (used for cleaning cracks & crevices, make PPF easier to stretch & conform, heat up previous installed PPF making it easier to remove)
- Basic Tool Kit (for removal of certain parts to create a more seamless install)



SLIP & TACK SOLUTION RATIOS

Mixture Ratios For Slip (Based On 32oz Spray Bottle)

2 pumps of seventh generation dish liquid out of a hand soap bottle (3ML) then fill up the rest of the bottle with tap water

Mixture Ratios For Tack (Based On 32oz Spray Bottle)

8-10 oz of 70% Isopropyl Alcohol then fill up the rest of the bottle with tap water



COMMON INSTALL TERMS

Finger

Fingers are ripples or excess film. They either need to be stretched in the opposite direction of the finger or pushed from tip down to lay flat.

Silvering

Silvering is an area where the adhesive sticks to the car prior to applying squeegee. It is caused by your fingerprints forcing the film on the car or dry spots where the film was not floating with slip solution.

Snail Trail

This looks silver in color and is usually long lines or strokes. It is caused by pushing water/air through an area already squeegeed flat.



SURFACE PREP



Option 1. Minimal Preparation Needed:

- Wash & clay paint
(removes all dirt, debris and other contaminants)
- Deep clean cracks and crevices
- Use pressure washer or compressed air
- Wipe areas where film will be wrapping



Option 2. Advanced Preparation:

- Remove emblems
- Remove side markers, grille and lights
- Remove bed rails
- Remove plastic fender flares



Option 3. Paint Correction:

- Paint correction is recommended but not required,
Depending on the services being performed for client

FINAL SURFACE PREP

- 🌀 Spray the panel down with slip solution mixture
- 🌀 Squeegee all the slip solution off the panel with your install squeegee, leaving no moisture behind
- 🌀 Spray the panel down with slip solution mixture thoroughly, ensuring no dry spots are left behind

PAINT PROTECTION FILM INSTALL

1. Peel liner and spray exposed adhesive with slip solution
2. Transfer the film onto the panel and make sure the film doesn't touch the ground or get dirty
3. Complete the installation of the film onto the panel and as you squeegee always look for any contamination in between the film and the paint
4. After the installation of that panel is complete, make sure there are no fingers from the edges coming up into the painted surface
5. Spray the edges you are going to wrap with alcohol mixture or filtered water to rinse the slip solution
6. Let film dry for approximately 15 min and proceed to wrap edges



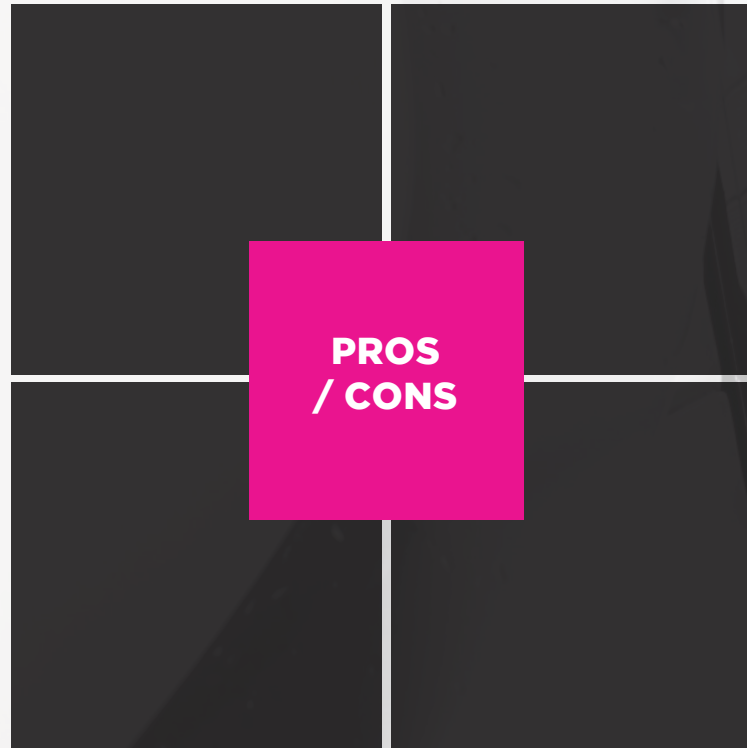
BULK VS PLOTTER CUTTING

BULK CUTTING PROS

- Adequate coverage
- No expensive plotter needed
- No software cutting fees

PLOTTER CUTTING PROS

- Less material cost
- Minimal cutting on cars
- Easier to learn

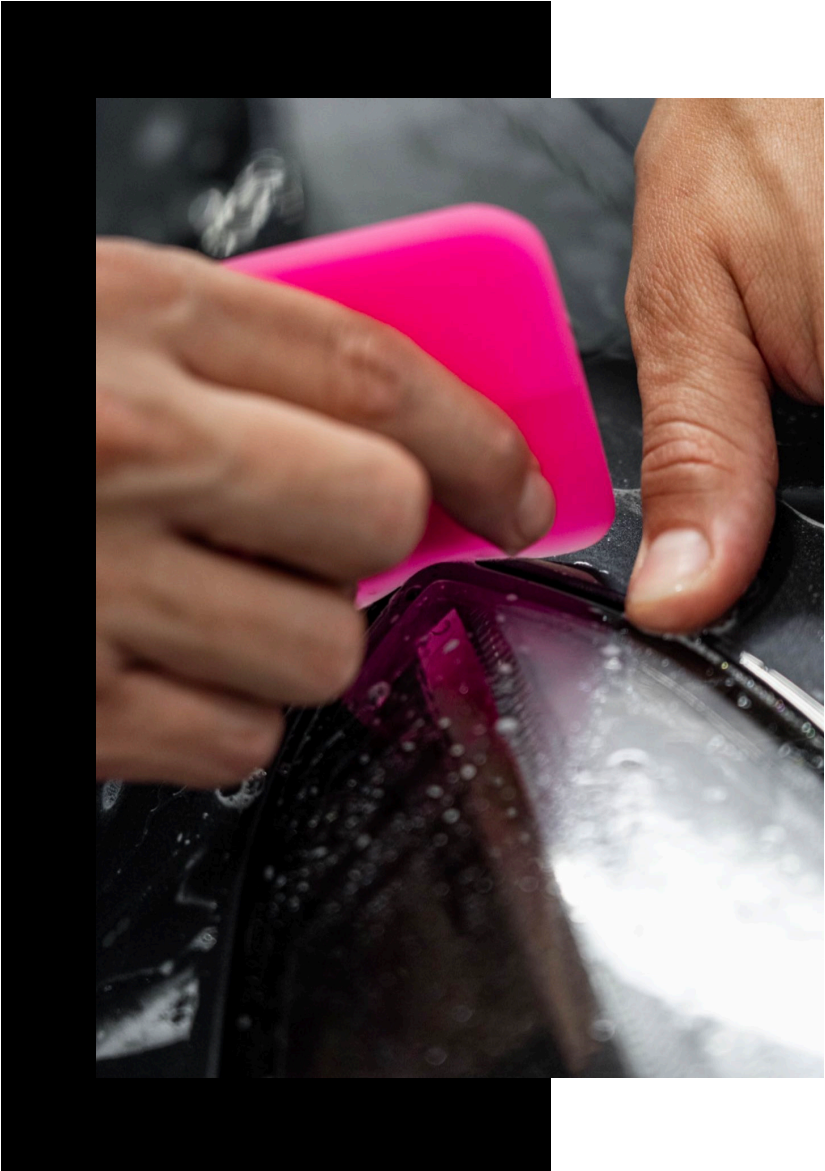


BULK CUTTING CONS

- Must cut on car
- Difficult learning curve
- More material cost/waste

PLOTTER CUTTING CONS

- More time needed to plot/weed pattern out
- Expensive plotter needed
- Potential for software cutting fees



WRAPPED EDGES

- Adds longevity to the install and is the most professional way of installing
- Wrapped edges can be achieved using plotter and bulk installs
- Editing software patterns allows you to extend edges if needed
- Be very specific on written quotes about coverage expectations with the customer

PAINT PROTECTION FILM PACKAGES



Partial Front Package

INCLUDED IN PACKAGE:

- 🔼 Front Bumper
- 🔼 18"-24" up hood & Fenders
- 🔼 Front Side Mirrors



Full Front Package

INCLUDED IN PACKAGE:

- 🔼 Front Bumper
- 🔼 Headlights
- 🔼 Full hood & Fenders
- 🔼 Front Side Mirrors



Full Car Package

INCLUDED IN PACKAGE:

- 🔼 Full Car- Entire painted surface of vehicle (excluding any chrome or plastic)

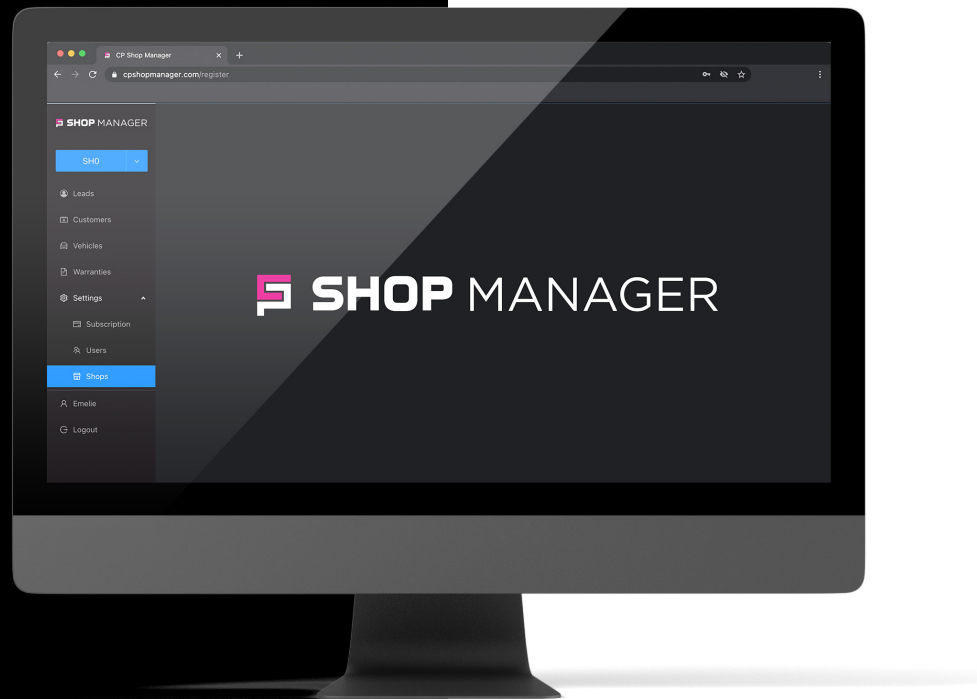


KAVACA WARRANTY TERMS & REGISTRATION

Ceramic Pro LLC KAVACA is warrantied to be free of manufacturer defects for 12 years from date of install. When installed properly on clear coated car panels it protects against:

- 🌀 Yellowing from UV Rays, dirt, and chemicals
- 🌀 Bubbling, staining, and cracking or any material failure
- 🌀 The warranty excludes damage caused by normal wear and tear, misuse, accidents, or misapplication

WARRANTY REGISTRATION PROCESS



- Warranties will be registered through the same system as all other Ceramic Pro packages
- Warranties are registered on www.app.cpsshopmanager.com
- Registration will ask for product/barcode number from the box of product used for the installation
- Failure to register warranty voids any warranty coverage

COMMON ISSUES / SOLUTIONS

Dirt and Debris Under the Film

More detailed prep. Ensure cleaning in hidden areas like handles, mirrors, emblems

Finger Lines Along Edges

Wait for film to dry out to 80-90% and wrap edges not 100%. Leave more film on edges to allow for pulling to help lock down edges

Film Won't Stick

Use ONLY 2 pumps(3ML) of seventh generation dish liquid per 32oz of tap water

Edges Lifting

Post heat edges, keep vehicle for longer after install, park outside

Ripples on Top

Use less pressure with squeegee. Ensure the film is always wet with slip solution on top whenever squeegeeing

Lines in Film From Lifting

When lifting dried or semidried film, lift all the way to body lines and soak with warm slip solution

CERAMIC PRO[®]
NANOCERAMIC COATINGS & FILMS