



Clearshield® Pro

PAINT PROTECTION FILM

Dealer Installation Guide

Recommended Tools, General Preparation, Installation Process, Maintenance and Removal details below.

TOOLS NEEDED:

These tools can be purchased from our tools catalogue.

- 2 spray bottles (ST0721)
- Clear Max (ST0615C)
- Teflon Black (ST0638B)
- Snap off Blade Can (ST0547)
- Snap off Graphic Knife (ST0522)
- Snap off Graphic Blade (ST0523)
- Felt Squeegee (ST0655)
- Heat Gun 220V (STEX90960-002)
- FilmApp (STEX0330)
- Accelerator (STEX0333)

These tools are also needed - you can buy them through other providers

- Clay Bar (fine or extra fine effect)
- Microfibre towels
- Dust-free wipes

GENERAL PREPARATION:

Install Clearshield Pro in a clean, dust controlled environment above 10° C.

1. Dosage for diluted slip solution - in first spray bottle

650 ml of water + 0,5 screw cap (2-4 mm) of FilmApp (dosage depending on water hardness) + 50 ml of Accelerator.

2. For undiluted solution - in second spray bottle

Simply remove the nozzle from the second ST0721 bottle and fix onto Accelerator bottle.

3. Vehicle surface

All surfaces to be protected by Clearshield Pro, should be cleaned and free from contamination and any existing wax. Wipe the surface down with the slip solution and a lint-free microfibre towel. For best results, clean the surface with a clay bar to remove embedded surface contamination and existing wax. Wipe the surface down using the tack solution. Spray slip solution and remove all remaining lint and fibres that may have been left behind by using a Clear Max squeegee. All edges to be wrapped should be prepared with the same procedure.



INSTALLATION PROCESS:

1. For precut patterns:



Figure 1

- a. Spray your hands with slip solution. Remove the backing from the film while spraying slip solution on the adhesive and the area in which Clearshield Pro will be applied. (You may want to use the bonnet of the car as a peel board. Apply slip solution to bonnet and lay film liner up and peel.)
- b. Position the film on the surface to be protected while identifying an alignment point such as the centre, an emblem or a corner on the surface.
- c. Spray the top coat with the slip solution and squeegee the alignment point in place, using the Clear Max squeegee. This will hold the film in place for the next steps. If movement persists, the tack solution can be used to initiate quicker bond. Lift the film, spray tack solution underneath the film and squeegee (See Figure 1.)



Figure 2

- d. Stretch the film as necessary to align along the edges. Precut patterns account for most fingers in the design, so when stretching to align edges, most fingers will lay flat on the surface.
- e. Continue to squeegee out the slip solution towards the edges as you stretch and align the film on the surface.
- f. For fingers along the edges of the film, spray the tack solution into the finger and squeegee to the edge with the MACtac. The MACtac helps with fingers along the edges by absorbing the tack solution as it is pushed out the edge of the film. (See Figure 2.)
- g. Dry the entire surface with a microfibre towel. Inspect for any debris under the film.
- h. Wrap a microfibre towel around your finger and press the edge of the film as you heat the edge with a heat gun on a low temperature setting <500° F (<260°C). This will seal the edges preventing water or dirt ingress under the film. (See Figure 4.)
- i. Repeat this procedure for all patterns.

2. For bulk installation,



Figure 3

- a. Spray your hands with slip solution. Remove the backing from the film while spraying slip solution on the adhesive and the area in which Clearshield Pro will be applied.
- b. Position the film so it covers the entire surface to be protected. (See Figure 3.)
- c. Spray the top coat with the slip solution and squeegee the centre using the Clear Max or Clear Max squeegee.
- d. Stretch the film as necessary to remove fingers in heavily curved areas.
- e. Continue to squeegee out the slip solution towards the edges as you stretch the film.
- f. Trim excess film with an OLFA knife or scissors up to an inch, overlapping the edges of the protected area.
- g. Dry the entire surface with a microfibre towel. Inspect for any debris under the film.
- h. Wrap a microfibre towel around your finger and carefully press the film down to the surface as you wrap the edge to prevent air pockets. (See Figure 4.) A heat gun on a low temperature setting <500° F (<260°C) can be used to help dry and seal the edges preventing water or dirt ingress under the film.
- i. Repeat this procedure for all patterns.



Figure 4

MAINTENANCE AND REMOVAL:

Customers should refer to their owner's manual and follow the manufacturer's recommendations for proper care of the painted surfaces of the vehicle. This same care can be applied to Clearshield Pro, including frequent washes and waxing as needed.

Clearshield Pro is best removed using a steamer or heat gun to soften the film as it is removed. Slowly pull the film away from the vehicle at an angle less than 90°. Steam or heat the film along the lifting edge, while continuing to pull the film from the surface. Any remaining adhesive can be removed using a mild adhesive remover.



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