

# APPLICATION INSTRUCTIONS RIVASHIELD PPF

## 1. Getting acquainted with the Rivashield Film Application Instructions and warranty conditions.

Before using the product, refer to the manual of the product application for information on the can surface that applied and on product performance. After ensuring that all aspects of the product are understood, the Users may choose to use Rivashield Protective Film.

## 2. Application tools

- Rubber squeegee
- Knife with snap-off blade
- Stainless steel blades
- Lint-free cleaning cloth
- Professional heat gun
- 2x Spray bottle
- Demineralized water
- Baby shampoo, free from oils, flavors, dyes.

## 3. Storage conditions Rivashield protective film should be stored at 20 ° C ( $\pm$ 2 ° C) and 50% RH ( $\pm$ 5%) relative humidity in its original packaging, in an upright position.

Correct storage allows you to maintain the maximum efficiency of the film and also ensures trouble-free application. The risk and liability related to the loss of efficiency in the event of the user bear the improper storage of the film. Incorrect storage means that the user did not store the Rivashield Protective Film in accordance with the previously described instructions.

## 4. Surface preparation and cleaning

To prepare the surface for application, thoroughly clean all impurities from the surface to be glued and the adjacent gaps to minimize the risk of dirt getting under the foil.

Wash surfaces with a mild pH-neutral detergent solution, then rinse and dry with a lint-free cloth.

After the surface is arid, it should be further cleaned and degreased with dedicated preparations for degreasing painted surfaces.

Before using detergents that degrease the paint, make sure that it does not change the cleaning surface and that it is safe to use.

Depending on the level of contamination, it may be necessary to repeat this process ensure that the surface is fully prepared for application.

In addition to the process of preparing for application, they should be following factors taken into account:

Residues of car wax, any ceramic and coatings and quartzpolish / polish must be completely removed.

Painted surfaces must be dehydrated, solid, and free from scratches.

With most heat-curable paints, the films can be applied immediately after cooling. Air-dried varnishes and automotive varnishes repair require a drying period of at least one week before the films can be used.

Residual solvents on painted surfaces may adversely affect the film's adhesion and cause excessive shrinkage or blistering.

To avoid solvent retention, the varnished surfaces to be applied should be dried according to the instructions varnish manufacturers. Incompatible or non-conforming components of the paint system may cause the paint to float during film disassembly.

Particular attention should be paid to the most important edges, corners, weld seams, rivets, etc.

They should be thoroughly cleaned and dried before application.

## 5.application

FilmThe Rivashield protective film is used to protect surfaces in a gloss and matt / satin finish and can be applied to the front of cars, wheel arches, door sills, door edges, posts, etc.

Before application, wear nitrile protective gloves to avoid imprints fingers on the adhesive foil and ensure that protective RivashieldFilm is applied in a clean, dust-free, and well lit environment.

The foil should be applied using the "wet" method, using a water and soap solution. For optimal application efficiency, it is recommended to use a solution soap and water in the form of 1 liter of demineralized water mixed with 2 ml of soap described in point 1 of the instructions.

This solution should be prepared and mixed in a spray bottle.

No containing ingredients should be added to the application solution alcohol-(e.g., isopropyl alcohol).

When applying, first cut the material from the roll to the approximate size required and made sure you remove the clear protective sheet from the front of the film.

Spray the soap solution on the painted surface before applying the foil.

The surface of the foil should also be sprayed with a soap solution throughout the application process to allow the squeegee to slide over the foil.

Then remove the backing that protects the adhesive of the foil and spray the exposed side of the self-adhesive foil with a soap solution.

Then place the material on the desired application area.

If necessary, it is possible to move the foil to another place.

After application, start gently moving the squeegee over the foil.

Use a rubber squeegee and gradually increase pressure, removing all air and water from under the foil.

Overlap squeegee strokes by approximately 50% to remove residual air/water.

During this phase, take care of the front surface of the foil with a soap solution to allow the squeegees to slide over the foil surface.

The risk and liability of any damage to the film that may user bear thebe caused by using the complex/backside of the squeegee.

It should be remembered that changing the position of the foil is possible only at the stage of locating and applying light pressure on the doctor's blade.

At later stages, slight may remain on the surface of the film visible marks or marks.

To increase the adhesive strength when applying the foil, it is necessary to rinse the soap solution with distilled water.

Please note that the use of alcohol during application is prohibited.

It is necessary to tighten and firmly stretch the foil to conform to the surface in curved areas.

It can be heated to facilitate the stretching of the film during application.

For optimal compliance with

convex, concave, and complex feelings, Rivashield Protective Film should be heated with warm distilled water at a temperature not exceeding 50 degrees Celsius.

Convex, concave, and complex shapes on the fronts of the car are best covered with protective films, however some conditions with larger recesses may need to make an incision to avoid any air/water residue inside the large cavities.

The incision does not adversely affect the functionality or durability of the product. After the foil has been applied and the squeegees have been successfully applied to the selected areas of application, proceed to the final stage by trimming the excess foil from the edges.

To facilitate cutting, make sure you use new and very sharp cutting knives: blunt knives will result in distorted cutting edges.

As a final application stage, wet squeegees should be reapplied to critical areas (e.g., large depressions and edges) to ensure adherence to the surface.

#### 6. Cleaning, maintenance, and disposal

Rivashield protective films provide long-term protection throughout the life of the protected element.

Complete instructions for washing and maintenance of the foil are available in the document "Guarantee conditions of the foil."

Within the expected service life and provided applied that the protective foil is to a properly hardened car paint, Rivashieldit can be removed

#### . 7. Disclaimer

This technical bulletin contains a technical description.

The information contained herein is believed to be reliable, but Rivashield makes no warranty of any kind, either express or implied, including, but not limited to, any warranty of merchantability or fitness for a particular purpose.

To the extent permitted by law, Rivashield shall not be liable for any indirect, special, accidental, or consequential loss or damage related to misapplication, disassembly, or maintenance of the Rivashield Protective Film.