



Application of Permanent Protector on car paintings

ALGT© Permanent Protector is used undiluted.

The surfaces to be treated needs to be absolutely clean, degreased, dry and free from loose particles and separating substances before treatment.

During application the outside temperature and the temperature of the substrate should be within the range of +5 °C to +35 °C. ALGT© Permanent Protector should not come into contact with water before or during application and should not be applied if it is raining.

ALGT© Permanent Protector can be applied by spraying or by hand. In order to achieve the best result we recommend the following process:

1. **Cleaning**
Ultrasonic cleaning or any highly effective de-greasing process.
2. **Application**
can be applied by hand, through polishing/wiping with a soft pad (or soft cotton cloth etc) or by spraying. Apply until a thin layer is visible.

Spraying parameters

Spraying with compressed air at ca. 2 bar
Blast pipe < 1 mm
Several thin layers with measured material feeding

Surface assessment

The PP coating can be applied to almost all painted and lacquered auto surfaces, however it is essential that the surfaces are not contaminated by waxes, silicone coatings etc.. It is the responsibility of the applicator to ensure that all such coatings are removed from the surface before application commences..

It is also strongly recommended that a trial application is conducted on an inconspicuous area eg. within the engine compartment or the trunk. It is also advisable to practice with the coating in order to "get a feel" of the process especially the buffing action which is essential in order to create a mirror finish.

After completing the cleaning procedure it is advisable to wipe down the surface with IPA to ensure all contaminants are removed from the surface. (wipe on the IPA and then buff the surface with a dry cloth.)

After the preparation has been completed the application of the PP can commence.



Ensure that the application is conducted in a well ventilated and dust free area.

Ensure that the surface to be coated is not hot. Sometimes cars are parked in the sunlight and then brought in to a garage for application; this will cause overly rapid curing which will make buffing the surface difficult. Ideally the PP coating should be applied to auto surfaces at a temperature up to a maximum of 25-30C.

Apply the coating panel by panel eg. apply the PP to a door and then buff the newly coated door. It is advisable to have a team approach to the application to vehicles. One person coats the panels and one or two persons buff the panels.

Step by step application procedure:

1. Prepare the surface
2. Use a thin and smooth micro-fibre to apply the coating. Ideally a 25 x 25 cm cloth. Ensure that micro-fibre is fully moistened with the PP liquid. Apply the coating evenly, and quickly in lateral wiping actions.
3. After applying the coating the buffing process can start, ideally within 1 or 2 minutes of application.
4. Use a medium pile micro-fibre to make the first buffing pass. Buff with even pressure. After this first buffing pass use a fine microfiber to complete the buffing. The Wetrok organisation supply such microfiber cloths, they are very soft with an almost fine suede like appearance.
5. After buffing ensure that the surface is not touched by fingers, clothing etc. The newly coated surface will be touch dry in approximately 90 minutes depending on the prevailing temperature.

The PP coating cures more rapidly when the surface is warm and so after the coating is touch dry the vehicle can be placed in a warm/hot environment eg. in direct sunlight.

The vehicle should not be washed / cleaned within the next 10 days as the coating will continue to cure over this period

3. Curing

The coating is surface dry after 30 minutes curing at room temperature. Complete curing will take 7 days at room temperature.

All equipment (spraying devices, pads etc.) have to be clean and dry before use and reuse is only recommended upon careful cleaning. After use they can be cleaned with thinner and dried with a towel.