

7656 Plastic-Metal Premium

Coating procedure for car bodywork and auto surfaces

OVERVIEW

CCM provide several coatings which are suitable for coating plastics, metals and painted surfaces. The preparation and application procedure is the same for all of these nano scale coatings.

PREPARATION

It is essential that the surface is completely clean before the application of the coating. It is stressed that in many instances the end user considers that a surface is clean after wiping the surface with a cleaning agent until it looks clean.

The preparation required before applying our coatings is much more thorough.

1. We strongly recommend that the car body is washed thoroughly with Biosativa® bio cleaner from CCM, mixed to a ratio of 1 to 15 (1 part Biosativa®, 15 parts water). If you do not have access to Biosativa®; It is suggested that in the first instance the surface is washed thoroughly with water and a microfiber cloth in order to remove general soiling.
If you do choose to use a cleaning agent other than Biosativa®, ensure that it does not leave any tensides on the surface as residues prevent the layer of SiO₂ (pure glass) from bonding. The layer formed is only 100nm thick (500 times thinner than a human hair). It is massively durable but as can be imagined this ultra-thin layer can only bond efficiently to a completely clean and dry surface. Important. It is not possible to apply our coatings on top of waxes or silicone wash coatings which are sometimes applied at automatic car wash sites. It is necessary to remove such coatings with a suitable cleaning agent or a clay bar process.
2. This initial cleaning will remove heavy contamination such as insect residue, traffic film etc.. It should be noted that the use of Biosativa® will significantly enhance this initial cleaning process. We do not suggest using washing liquid as this places tenside residues on the car painting.
3. Thoroughly rinse the surface with clean water.
4. Dry the surface with clean cloth(s).
5. Wipe the surface with IPA (mixed at between 70% and 50%) until the surface is completely clean. Ensure correct guidelines safety controls are followed when using alcohol. Follow the MSDS. Test alcohol cleaners such as IPA on an inconspicuous area.
6. After cleaning with the alcohol-based wipe, allow the surface to dry and then buff the surface with a micro-fibre or similar clean cloth.

APPLICATION

7. Apply the coating on to the surface using either a pre-impregnated wiper or liquid (from a suitable dispenser), apply the coating liquid to a suitable lint free cloth. Working quickly, ensure full coverage of the surface. Wipe with both vertical and horizontal action to ensure full coverage.
8. Allow the coating to dry for approximately 5 to 30 minutes. (5 minutes in warm weather e.g. 25°C... 30 minutes in cool weather e.g. 10°C).
9. After application the surface may look slightly "cloudy". Buff the surface with a clean micro-fibre to remove any residue which contributes to the cloudy appearance.
10. The coating takes 10 hours to fully cure but the coating can be exposed to rain after 1 hr of application...

Please note

- Do not apply the coating in damp or very humid conditions.
- Do not apply the coating in hot, direct sunlight.
- Do not apply our SiO₂ based coating on to surfaces which are coated with other agents such as car waxes, polishes etc.
- Do not apply the coating to hot surfaces (in hot regions of the world it is best to apply the coating early in the morning or in the evening, when often the auto surfaces are cooler). Avoid applying to surfaces when the air temperature or temperature is greater than 30°C.
- Do wear gloves as a fingerprint can be 100 times thicker than the coating.

Important Notice

Our explanations correspond to our current knowledge and experience. We are passing it on, however, without obligation, also with regard to third party patent rights. In particular, a warranty of assured quality in the legal sense is not associated with it. The right to make alterations within the framework of technical advances and operational development is reserved. The customer is not released from careful quality examination. The mention of other company names is not a recommendation and does not exclude the use of similar products. We guarantee the quality of our products in accordance with our general sales conditions as a matter of course.

The products are ready-to-use. Mixing with other substances or other charges is strictly forbidden. CCM GmbH advises against filling up in aerosol-packaging.