INNOVACAR

SINH TOP COAT

Description:

Innovacar's SiNH Top Coat is the best water repellent in the entire Innovacar ceramic product line and the latest addition to the exclusive Si-N-H's professional **car nanoceramic treatment** that creates a highly durable, hydrophobic and elastic ceramic coating.

It is the latest evolution of SiO2 coatings, giving you an innovative formula that combines ease of application with high performance.

Ceramic coating on the car body aims to protect and enhance the gloss and depth of colour for a durability* far superior to any wax or sealant.

Thanks to the protective barrier created, dirt and water slide off the bodywork, limiting aggressive chemical/physical interventions and thus preserving the surface over time. Main features:

- **Beading and sheeting effect:** our Si-N-H system is the ceramic with the best water repellency effect in the Innovacar range. This allows for quick drying and less residue on the car surface;
- **Easy to use:** it is a professional ceramic treatment, but is easier to use and apply than other products in its category;
- **No need for IR lamps:** thanks to its characteristics it has a fast drying time of about 20 minutes at room temperature (23°C) and 50% humidity, which means it can also be used without specific lamps;
- **Anti-static and dirt-repellent effect:**along with the lotus flower effect, these properties reduce the need for maintenance, making the cleaning phase easier;
- **Certified long service life:** tests at certified external laboratories have monitored changes in gloss (ISO 20566:2013) and surface hydrophobicity in both automatic and manual wash cycles, confirming a service life of up to about 4-5 years (75,000 km or up to 60 washes-car washes). In addition, the durability is extended up to 9-11 years by first applying SiNH Base Coat;
- **Colour depth:** it has a gloss and colour depth effect that enhances the paint of the bodywork;
- **Resistance and protection:** The treated surface is resistant to UV radiation, corrosion and high temperatures;
- **Suitable for different types of surfaces:** it can be used on bodywork, aluminium, steel and plastic parts;
- **Suitable for matt varnishes, PPF and wrapping** it can also be used on matt varnishes and PPF protective films or wrapped machines and vehicles;
- **Suitable for all types of vehicles:** it can be used on cars, motorbikes, bicycles and boats;
- **Safety:** it is PFAS free and complies with the content requirements for volatile organic compounds (VOC) in accordance with Directive 2004/42/EC and with the analysis method in compliance with UNI EN ISO 11890-1:2008.

*The washing cycles indicated are the result of tests conducted by two independent external laboratories. The first test was performed to check whether the contact angle had changed compared to the initial condition, with washing cycles using SP1 Prewash; the second test was conducted to check whether the coating persisted after automatic washing cycles, with the use of a chemical product and quartz powder in compliance with ISO 20566:2013;

* The specified durability in terms of time and kilometres for the entire Innovacar coating product line is based on the results of stress tests performed on site with the support of our national and international partners in various parts of the world.
The tests were performed under extremely different climatic/environmental conditions:

Mumbai (India): because of the fact that it is a metropolis with a high level of smog and has a tropical climate
Moscow (Russia): because of its very cold temperatures
Abu Dhabi (United Arab Emirates): because of its torrid climate and frequent sandstorms.
Major European capitals: where weather and road conditions are certainly more “standard”;Throughout the tests, washing took place on average once a month. However, it was not always possible to follow the steps of the Innovacar coating maintenance programme recommended by us, which allowed us to simulate the worst case scenario.
The results achieved and the feedback received from our partners show that the weighted average one-year life of our coatings is equal to approximately 15,000 km.

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**with the Innovacar maintenance programme

Directions for use:

How to optimally apply the nanoceramic treatment to the car's bodywork:

It is recommended to:

- Preferably apply the product in a temperature controlled environment ranging from +5 °C to 25 °C, free from contamination and with controlled humidity;
- Apply the product in a well-lit environment.
- Frequently replace the Micron Suede;
- Use Micron 2F: the low pile part to remove 80-90% of the product and the long pile part to finish it off;
- Change the Micron 2F often, every 2 panels on average;
- Do not treat the surface with dirty or worn cloths.
- For maximum efficiency, use Innovacar maintenance products only.

Step 1 - Preparing the car (to be carried out if not previously done):

1. Prewash with SP1 Prewash or similar products;
2. Wash with S2 Foamy to clean the surface;
3. Proceed to chemically decontaminate the surface from tar using D3 Tar, from ferrous residues using D1 Iron and from limescale using DS Scale;
4. Then mechanically decontaminate the surface with Clay Bar (or Clay Mitt), using DL Lube;
5. If necessary, polish the car to remove any defects and achieve a perfectly smooth surface;
6. Remove any traces of residual oil with D2 check;
7. Visually check the car to make sure it is perfectly decontaminated and clean, and therefore ready for applying the protective treatment.

Step 2 - Applying the ceramic coating:

1. Apply a few drops of SiNH Top Coat to the Micron Suede, wrapped around the Foam App Block;
2. Apply the product using the Criss-Cross method (at least 3 times), treating one panel at a time (approximately 50x50 cm);
3. Allow to polymerise for at least 30 seconds (at high ambient temperatures) and up to a maximum of 2 minutes (at low ambient temperatures), before removing any excess product, if necessary by smoothing with a Micron Buffing Wipe;
4. If excess product is not properly removed from the surface within 10 minutes, the product can be reapplied, making sure to even it out.

Step 3 - Crosslinking the protective barrier:

1. After 4 hours, apply the final coat of SC0 Hydro Sealant. This is the final protective layer that is intended to preserve the surface during the complete curing period;
2. Wait 3-4 hours before leaving the vehicle outside and 7 days before leaving it out in the snow/rain or washing it again, as recommended in the Innovacar maintenance programme.

Precautions: Use within 6 months of opening, making sure to carefully close the bottle after use and to store the product in a dry place, away from light and heat, and at a temperature of between 5 °C and 25 °C . Always refer to the MSDS and the precautions and instructions provided on the label. To achieve maximum performance and durability, make sure you always follow the steps of the Innovacar Cyclical System.

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Caution:
Observe the advice on the safety data sheet when handling the product.

Technical Features:
Appearance and colour: colourless liquid
Odour: characteristic
pH: n.a.
Flash point: 41°C
Relative density: 0,84 g/cm3 ± 0,05
Solubility in water: insoluble
Solubility in oil: insoluble

Storage:
Unopened and stored at room temperature away from direct sunlight.

Packaging:

PACKAGING	BOX	ITEM CODE
BOTTLE 30 ml	3 pz	700406 (Professional)
BOTTLE 30 ml	6 pz	701335 (Professional)
BOTTLE 30 ml	12 pz	702275 (Professional)

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The above data do not constitute specifications and are subject to normal production tolerances.
The data contained is the result of technological research of our laboratory and is provided for information purposes only.
We exclude any liability arising from an incorrect choice of product and the lack of the necessary precautions, which must always be verified by the user.

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