

Technical Data Sheet

MetalCoat F2

Product Information

Nasiol MetalCoat F2 protects your car from UV lights, water and stain, gives easy clean effect with a deep shine. Please follow the instructions on and watch the application video on official website before using the product.

Application Surfaces

Nasiol MetalCoat F2 is applicable to car body, engine plastic and metal parts, headlights, taillights, and rims. Do not apply to unlacquered plastic parts, fresh paint jobs (up to 3 months), low-quality paint jobs, glass, textile, and tires.

Instructions

- Surfaces should be dry and free of any dust, wax, oil, grease and other contamination.
- Prepare the surface by using Nasiol Clean to improve the bonding performance of the nano coating.
- Before using the product, wear the protective nitrile gloves included in the box.
- Spray on one square meter around 20-30 times with a standard MetalCoat F2 bottle and buff immediately with Nasiol Microfiber Cloth.
- Keep the coated surfaces away from direct sunlight, the elements, various types of contamination, and water exposure for 24 hours.

Application Tips

Ensure that temperature and relative humidity (RH) values (+5°C ~ + 30°C / 41°F ~ 86°F / 50% RH) of application space are as close as possible to suggested conditions to obtain maximum product performance. Avoid direct sunlight during the application and only work on cool surfaces. Wash your vehicle thoroughly. If required, apply clay bar.

After decontamination, apply polishing / compounding via using appropriate tools and silicone free / wax-free cutting compounds with respect to the physical condition of your vehicle's surface. When polishing is complete, wash the car and ensure that all the application areas are totally dry before using the product.



Prepare the surface by using Nasiol Clean to remove any residual contamination and dry with a lint-free microfiber cloth prior to the use of the product.

Before using the product, wear the protective nitrile gloves included in the box. Consumption is 5-8 mL/m² (5-8mL /10ft²). Spray on one square meter around 20-30 times with a standard

MetalCoat F2 bottle and buff immediately with Nasiol Microfiber Cloth. Do not work on areas larger than 1 m²/10 ft² at once. Keep the coated surface away from direct sunlight, dust, water and contamination during 24 hours curing period.

Benefits & Key Features

- Hydrophobicity
- Chemical Resistance
- Soft Touch with Suede Cloth
- Gloss Effect
- Crystal Gloss
- 7H Scratch Resistance
- Ergonomic Applicator Block

Specifications

Packaging	50 mL
Appearance	Colorless liquid
Durability	Up to 1 year
Chemical Resistance	12>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Pencil Hardness (ISO-15184:2012)	7H
Dry Film Thickness	200-300 nm



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Consumption per Unit Area	5-8 mL/m ²
Density @23°C	0.8 g/cm ³
pH Value	4.8-5
Dry to Touch Time	4h
Application Temperature	5°C-30°C (≤50%RH)
Temperature Durability	275°C
Water Contact Angle	97° @10 µL
Water Contact Angle After "3000 Wet Scrub (ISO-11998:2006)	93° @10 µL
Water Sliding Angle	23° @20 µL
Oil Contact Angle	76° @10 µL
Gloss Rate @60° (ISO-2813:2014)	93 (Acrylic)
Volatile Organic Compound (VOC) (ASTM D-2369)	733 g/L (91.6%)
REACH Compliance	Yes

Consumption

Small Vehicles (A-B Class)	30-35 mL
Medium Vehicles (C-D Class)	35-40 mL
Large Vehicles (E Class & SUV)	40-50 mL

Recommended Cloth Specifications

Model	Nasiol Microfiber Clothes
Blend	70-80% Polyamide & 20-30% Polyester
Weight	250-350 gsm

Storage

To achieve a high product effectiveness, keep the unopened packaging in a dry, well ventilated space away from heat and ignition sources, stored at -3°C to + 30°C / 26.60 °F to 86 °F. The shelf life of product is 12 months from the date of production when stored in the unopened packaging under suggested storage conditions. After opening the container, it is recommended to use the product within 1 week. After every use, it is recommended to close the lid in order to avoid product loss by evaporation.

Disclaimer

The technical information described in this document is based on tests and other practical experience that Nasiol believes are reliable. Nasiol cannot guarantee anything but ready to use quality of the product at the time of shipment, disclaims any liability for product performance and incidental or consequential damages, according to self-implementation within the user's knowledge, beyond the manufacturer's control. Please refer to the Safety Data Sheet (SDS) before use of product.

Users should consult Nasiol for guidance on the suitability of specific applications. Nasiol reserves the right to change the given data without further notice.