



## Technical Data Sheet

# GlasShield

### Product Information

Nasiol GlasShield ensures safe driving in rainy conditions with its rain repellency property and **protects your car's glasses and mirrors from UV irradiation and stain**. Please follow the instructions and watch the application video on official website before using the product.

### Application Surfaces

Windshields, exterior glasses and mirrors of cars. Do not use on headlights & taillights, thermosets & thermoplastics, window tints, interior glass of vehicles, textiles/fabrics. Do not apply to interior parts of car glass.

### 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 times with a standard GlasShield bottle and buff immediately with Nasiol Cotton Cloth.
- Keep the coated surfaces away from direct sunlight, the elements, various types of contamination, and water exposure for 24 hours.

### Application Tips

Please visit the web site before applying product. Suggest ensuring 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 achieve maximum product performance. Avoid direct sunlight during the application and only work on cool surfaces. Surface should be free of any dust, dirt, or water.



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 5mL/m<sup>2</sup>. Spray on one square meter around 20 times with a standard GlasShield bottle and buff immediately with Nasiol Cotton Cloth. Do not use microfiber cloth for applying.

Keep the coated surface away from direct sunlight, dust, water and contamination during 24 hours curing period. After usage turn the bottle upside down and spray out till the sprayer is empty.

### Benefits & Key Features

- Ultra-High-Water Repellent
- Chemical Resistance
- Easy to Clean
- UV protection

## Specifications

Packaging	50 mL
Appearance	Colorless liquid
Durability	Up to 2 years 45.000 km 80.000 wiper blades
Chemical Resistance	13>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Transparency	99%
Dry Film Thickness	75-100 nm
Consumption per Unit Area	5 mL/m <sup>2</sup>
Density @23°C	0.81 g/cm <sup>3</sup>
pH Value	2
Light Refractive Index	1.625 (Glass)
Application Temperature	5°C-30°C (≤50% RH)
Temperature Durability	275°C
Water Contact Angle	106° @10 µL
Water Contact Angle After “3000 Wet Scrub (ISO-11998:2006)	100° @10 µL
Water Sliding Angle	15° @20 µL
Oil Contact Angle	84° @10 µL
Dry-to-Touch Time	3 h
Volatile Organic Compound (VOC) (ASTM D-2369)	786 g/L (97%)
REACH Compliance	Yes

## Consumption

Windshield Only	
Small Vehicles (A-B Class)	5-6 mL
Medium Vehicles (C-D Class)	6-8 mL
Large Vehicles (E Class & SUV)	8-10 mL
Full Vehicle	
	Panoramic Roof
Small Vehicles (A-B Class)	20-25 mL
Medium Vehicles (C-D Class)	30-40 mL
Large Vehicles (E Class & SUV)	40-50 mL

	Sunroof
Small Vehicles (A-B Class)	15-20mL
Medium Vehicles (C-D Class)	25-30 mL
Large Vehicles (E Class & SUV)	35-40 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 24 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 month. 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.