



Technical Data Sheet

P45

Product Information

Nasiol P45 is a coating material that renews the appearance and restores the color of the interior and exterior plastic and painted surfaces on which it is applied. It preserves the new appearance for up to 2 years. Thanks to its water repellency, it also helps to keep the surface clean.

Application Surfaces

- Exterior/interior plastic and painted surfaces

Benefits & Key Features

- Water repellency.
- Chemical resistance.
- UV protection.
- Easy to clean.
- Scratch resistance.
- Renovation.

Instructions

Surfaces should be dry and free of any dust, wax, oil, grease, and other contamination.

Application should be made in a shaded and well-ventilated area.

Manual Application

*It is recommended to try on a small area before covering the entire surface.

- Open the lid and pour the necessary amount of product onto Nasiol cotton cloth.
- Spread the product homogeneously over the surface with linear movements.

High Pressure Spraying

* It is recommended to apply it to the final product after the trials are made and the optimum parameters are found.

- HVLP spray guns with 0.8 mm nozzle diameter should be preferred
- The distance between the surface and nozzle can be chosen between 35-50 cm depending on the other parameters

- Spraying pressure can be chosen between 5-6 bar depending on the other parameters
- The product should be sprayed onto the surface in the essential amount with a fine atomization

Curing

Room Temperature Curing

Dry to touch: 2 h at 23°C - 50% RH

Fully curing: 48 h at 23°C - 50% RH

Accelerated Curing

It is possible to accelerate the curing process by applying heat by choosing the appropriate time and temperature according to the surface type.

Specifications

Packaging	1-5-30 L
Appearance	Colorless Liquid
Chemical Resistance	12>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Dry Film Thickness	700-1000 nm
Consumption per Unit Area (Manual Application)	5-8 mL/m ²
Density @23°C	0.86 g/cm ³
pH Value	5-6
Application Temperature	5°C-30°C (≤50% RH)
Temperature Durability	-
Water Contact Angle	115° @10 µL
Water Sliding Angle	20° @60 µL
Oil Contact Angle	34° @10 µL
Gloss Rate @60° (ISO-2813:2014)	80
REACH Compliance	Yes

Durability

Normal conditions (-20°C to +35°C / pH<12)
Up to 2 years



Application Tips

Ensure that the temperature and relative humidity (RH) of the application space are as close as possible to the given values to achieve the highest product performance.

If the ambient temperature or relative humidity value is higher than the suggested intervals/values, the product may cure faster than expected.

Avoid direct sunlight during the application and only work on cool surfaces.

Prepare the surface by using Nasiol Clean to improve the bonding performance of the nano coating. Ensure that there isn't any residual contamination and dry the surface with a lint-free microfiber cloth.

Shake the product gently before use.

Manual Application

Before using the product, wear protective nitrile gloves.

Do not forget to keep the lid closed during the application.

To make the most of Nasiol cotton clothes, fold each one four times before application, and do not re-use the side of the cloth you used.

Spread the product gently with linear movements. Do not rub.

Try not to apply too wet. The surface should look homogenous after the application. There shouldn't be any wiping marks on the surface.

High Pressure Spraying

The product should be sprayed with a fine atomization. The surface should look homogeneous after the application. There shouldn't be any haze/marks on the surface.

If you had an over wet looking surface after the application and because of that saw dots/marks on the surface, you can;

- Decrease the flow rate
- Increase the spraying distance
- Increase the spraying pressure
- Expand the pattern
- Increase the line speed

If you couldn't apply enough amount and couldn't obtain a good performance, you can;

- Increase the flow rate
- Decrease the spraying distance
- Decrease the spraying pressure
- Narrow down the pattern
- Decrease the line speed

Curing

When the coated surface is dry to touch, it can be handled/packed. Fully curing process will continue.

Even if you apply a heat treatment to accelerate the curing process, keep the coated surface away from water/contamination for 48 hours and don't perform harsh tests on it.

Storage

To achieve a high quality of coating, keep the containers tightly closed in a dry, well ventilated space away from heat and ignition sources, stored at -3°C to +30°C. The shelf life of product is 12 months from the date of production when stored in the unopened container under suggested storage conditions. After opening the container, it is recommended to use up the product within 1 week.

Removal

Once the product is cured, it is very difficult to remove it from the surface. In such a case, product removal can only be achieved by polishing with a special cutting compound. To

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avoid any harmful consequences generated due to the surface correction process, read the instructions carefully and watch application videos on Nasiol® web site.

Disclaimer

The technical information described in this document is based on tests and other practical experience that Nasiol® believes are reliable. Nasiol® can not 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.