



Technical Data Sheet

TF

Product Information

Nasiol TF creates a water-based transparent film on surfaces and provides temporary protection against scratches caused by sand, stone chips, and tar etc. while ensuring UV resistance property to the surface. It can be applied easily and removed simply by washing or peeling off.

Application Surfaces

All appropriate non-absorbent surfaces.

Benefits & Key Features

- Flexible coating
- Easy to remove with water
- Chemical resistance
- UV protection
- Peelable

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.

- Pour the product from the standard Nasiol TF bottle onto the applicator cloth placed on applicator block and spread it homogeneously with horizontal and vertical movements to the surface.
- There exists a homogenous film on the surface in 15-20 minutes.

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 10-15 cm depending on the other parameters.
- Spraying pressure can be chosen between 2-3 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

The coating fully dries in 15-20 min. 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	Liquid Gel
Dry Film Thickness	15-20 µm
Consumption per Unit Area (Manual Application)	60-75 mL/m ²
Density @23°C	1.04 g/cm ³
pH Value	5-6
Application Temperature	0°C-60°C (≤50% RH)
Temperature Durability	250°C

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.

In case of accidental application on unwanted surfaces, wipe it with a wet cloth or remove it with water.

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.

High Pressure Spraying

The product should be sprayed with a fine atomization. The surface should look wet and homogeneous after the application.

It is likely to have a blurry appearance at first. The film will become transparent as it dries.

If you applied more than the recommended amount and therefore had a problem of run-off from 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 you had a dry-looking surface, you can;

- Increase the flow rate

- Decrease the spraying distance
- Decrease the spraying pressure
- Narrow down the pattern
- Decrease the line speed

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 -5 °C to + 40 °C . 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 2 months. 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.