



## Technical Data Sheet

# Anti-GRM

### Product Information

Anti-GRM is a one-step transparent nano coating product developed to reduce the effects of graffiti marks and enables the easy cleaning of non-porous, hard surfaces.

### Application Surfaces

- Metals & Alloys
- Thermosets & Thermoplastics
- Glazed Natural Stones
- Glass
- Ceramic

Do not apply the product on surfaces including:

- Flexible Polymers
- Porous/Absorbent Surfaces
- Natural Wooden Surfaces
- Surfaces with Graffiti Marks
- Granular & Mineral Rough Surfaces

### Benefits & Key Features

- Water and oil repellency.
- Slow contamination.
- Chemical resistance.
- UV protection.
- Easy to clean.

### Durability

-20°C to +275°C / 1<pH<12
1 year/Up to 10 graffiti cleaning cycles

### Instructions

For small surface area applications please follow the instructions listed below.

For large surface area / industrial applications and accelerated curing methods, please contact your sales representative for assistance.

- Surfaces should be dry and free of any dust, oil, grease and other contamination.
- Application should be made in a shaded area.
- The product is recommended to be sprayed via an HVLP spray gun.
- For hard to reach areas, the product can be applied with using a dry microfiber mop.
- Curing time is 24h at 23°C - 50% RH.

### 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.

Only work on cool surfaces.

Do not mix or dilute with any chemical.

Do not apply to remove graffiti marks. In such a case, use an appropriate graffiti remover before the use of product.

Prepare the surface by applying Nasiol® Clean™ to remove any residual contamination.

Shake the product gently before use. Apply via an HVLP spray gun (or an appropriate spray gun) directly onto the surface. The desired coating thickness can be achieved by altering the spraying pressure, distance and nozzle tip size.

On smooth surfaces, it is required to buff the product with a dry, lint-free microfiber cloth, subsequent to application.

The product can be applied with using a dry microfiber mop on hard to reach areas.

Keep the coated surface away from direct sunlight, dust, water and contamination during the curing period.



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### Graffiti Clean-Up

A commercial pressure washing system can be used to remove the graffiti marks off the surface coated with Nasiol® Anti-GRM, when used properly.

Outlet Pressure	>100 Bar
Wash Distance	15-50 cm

### Specifications

Packaging	1-5-30 L
Appearance	Colorless Liquid
Chemical Resistance	12>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Dry Film Thickness	600-700 nm
Consumption per Unit Area	4-5 mL/m <sup>2</sup>
Nozzle Tip Size	0.8-1.3 mm
Spraying Pressure	1.6-2.0 Bar
Spraying Distance	15-20 cm
Density @23°C	0.836 g/cm <sup>3</sup>
pH Value	5-5.3
Dry to Touch Time	6h
Application Temperature	5°C-30°C (≤50% RH)
Temperature Durability	+275°C
Water Contact Angle (@10 µL)	108° (Painted Steel)
Water Sliding Angle (@20 µL)	16° (Painted Steel)
Oil Contact Angle (@10 µL)	88° (Painted Steel)
Pot Life	Not Applicable
REACH Compliance	Yes

### 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 color of product may turn into orange or light brown throughout the storage period. Do not return the excessive amount of product into its original container. 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.

### 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.

### Additional Knowledge

For professional use only. Operators shall be well trained to use the spraying equipment and provide personal protection hardware and/or clothes when using this product.

Once the product is cured, it is very difficult to remove the coating from the surface by any chemical. In such a case, product removal can only be achieved by sanding operation which may damage the substrate material/surface, at the end user's own responsibility. To avoid any potential application fault, please read the application instructions carefully.