

NITOCOAT®

A patented, permanent, preservative coating. Ultra-thin, colour-restoring and transparent.



Product description

Nitocoat® is based on polysilazane technology. Nitocoat® is a ceramic coating, also known as a glass coating. MAVRO has been the supplier of polysilazane coatings for years. With our experience and expertise we can give the best advice on how to apply this coating successfully.

Nitocoat® is a permanent coating with a durability of at least 5-10 years with excellent anti-graffiti properties.

Nitocoat® offers protection against practically all types of contamination and is corrosion- and temperature-resistant (up to ~250°C)

Mavro's Nitorange consists of a collection of high-quality, protective colour- and shine-retention coatings for non-absorbent surfaces.

Aware of the fact that every surface, situation and object differs, our laboratory has developed a wide range of renovation coatings. Permanent coatings, semi-permanent reversible coatings and colour coatings, each with their own unique properties. Customization, quality, durability and colour deepening are all represented within the Nitorange!

Use

Nitocoat® has been specially developed for application on non-porous materials such as plastic, high-pressure laminate, windowsills and metals such as stainless steel and aluminium. Nitocoat® has excellent adhesion on different types of surfaces. If in doubt, please contact one of our technical advisors.

Characteristics

- Protects against the penetration of graffiti, solvents, grease and other chemicals.
- Very high efficiency.
- Excellent hydrophobic and oleophobic properties.
- Erosion- and corrosion-resistant.
- Strong colour-restoring properties.
- Available in both mat and satin finish

Technical data

Odour:	Butyl acetate and ammonia
Colour:	Transparent
Specific weight:	0,94 kg/L
pH:	~ 10
Contains:	Polysilazanes
Flashpoint:	~ 5°C
Boiling point:	124-127°C
VOC content:	Classification 1/sg-max 500/l, this product contains 430 g/l VOC

Application conditions

Ambient temperature:	maximum 30°C, minimum 10°C
Substrate temperature:	maximum 30°C, minimum 10°C
Relative humidity:	max. 85% and 3°C above dew point

Instructions

1. The pre-treatment is crucial for the proper application of Nitocoat®. Thoroughly clean the surface with Uniclean Low Foaming and rinse with water.

2. Degrease the substrate and dry with Isopropanol to remove any remaining residues.
3. Apply a small amount of Nitocoat® in a power sponge, microfibre cloth or squeegee. Apply an even thin layer (0,5- 6 µm) on the surface. Avoid streaks by working in one direction. Remove any excess material to ensure a thin layer.
4. Application can also be done using a HLVP spray (nozzle: 0.8-1.2 mm, 2-3 bar).

Drying

Dust dry:	approx. 1 hour
Dried:	approx. 6 - 8 hours
Fully cured:	approx. 7 days (chemically resistant)

Packaging

100 mL, 500 mL and 1 L

Consumption

Consumption is 50-70 m2/L, this depends on the roughness and porosity of the surface.

Practical information

- Do not dilute or mix with other products
- Do not process near open flames or in direct sunlight
- Contact our technical advisors for any questions regarding applications
- Application tools can be rinsed with Butylacetate.
- Do not exceed the consumption (is 50-70 m2/L) of Nitocoat®.
- Protect the coating after application for a minimum of 16 hours against water and rain.
- We strongly advice to follow the Nitorange workshop prior to using this product, see below for more information.
- A strong ammonia odour is released during the curing of Nitocoat®, this smell will go away after 30 minutes. Ensure proper ventilation when using the product.
- Packaging can be under pressure, open the packaging carefully.
- Graffiti is easily removed with Graffiti Remover Lite.

Storage

Can be kept for at least 12 months in original unopened packaging. Store in a well-ventilated, dry, cool and frost-free place. Opened packaging has a limited shelf life.

Health and safety

Harmful if swallowed. Causes severe burns and eye damage. Highly flammable liquid and vapor. May cause drowsiness or dizziness. Avoid inhalation, skin and eye contact, wear suitable gloves, respirator, protective clothing and safety goggles. If in doubt, always consult the safety data sheet or our R&D department.





Technical support

Mavro is ISO 9001 certified: your guarantee of quality, in terms of products and advice. Our technical consultants and R&D department are always at your service. We are happy to look at your problem or wish with you. Help you with our products or find a solution if it does not yet exist. Call, e-mail or drop by.

Mavro International, Heksekamp 1, 5301 LX Zaltbommel

T. +31 418 680 680

E. info@mavro-int.com

W. www.mavro-int.com

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Edition: July 2020

All previous editions become invalid upon this publication

Product code: 58004