NANOMAX PU VARNISH MATTE/GLOSS

Two-component polyurethane transparent protective varnish

Product description

The product was developed based on a new technology. It is a transparent acrylic, hybrid and two-component aliphatic polyurethane varnish. Thanks to the specially designed composition and UV filters, the surfaces get protection from prolonged exposure to sunlight, yellowing, adverse weather conditions and protection against chemicals. The application of SurfaPaint™ PU Varnish creates a hard but elastic membrane, increasing the mechanical properties of the surface. It has high abrasion resistance and offers two finishes (matte and glossy) to suit any design option.

Application

NANOMAX PU Varnish Matte/Gloss is ideal for protecting interior and exterior surfaces, vertical or horizontal, absorbent or less absorbent, which are made of natural or artificial building materials, such as: decorative plaster, concrete, stone, bricks, tiles, etc. and even wooden or metal surfaces.

Advantages

- ☆ Does not yellow.
- ☆ Improves the mechanical resistance of the surface
- ☆ Long-term light resistance
  Matte / Glossy Finish
- ☆ Hydrophobic, resistant to alkalis, aggressive cleaning agents, oil, water

Technical features

Type ÿ	Hybrid, acrylic-polyurethane, two components (Part A - Part B)
Appearance ÿ	Matte or Glossy
Colour ÿ	Transparent
Density (EN ISO 2811-1) ÿ	0.97 ± 0.05 g / cm3
Cleaning solvent ÿ	NanoPhos Thinner A
VOC (Volatile Organic Compounds) ÿ	<499 g / L
Mixing ratio by weightÿ	5.25 Part A - 1.0 Part B
Application temperatureÿ	From +5ÿC to +35ÿC
Solid (% by volume) ÿ	38 ± 3% by volume
Substrate temperature ÿ	From +5 oC to +35 oC (*)
Application temperature ÿ	From +5 oC to +35 oC (*)
Min. Overcoating Intervalÿ	12h @ 25oC (*)
Pedestrian trafficÿ	24h @ 25oC (*)
Full cure ÿ	5d @ 25oC (*)

(*) Drying times until recoating are extended in low temperature conditions and high relative humidity

NANOMAX PU Varnish Matte/Gloss

Two-component polyurethane transparent protective varnish

Surface preparation

All surfaces need to be clean and dry. Free from dust, oil, stains of any kind. New cement or masonry substrates need to be cured. Approximately 4 weeks before application.
Damaged, cracked substrates need to be repaired.

Application instructions

Mixing:
Empty the entire contents of container B into container A and mix thoroughly for 3 minutes with a paddle at low speed. Mixing should be done on both the walls and the bottom of the container for proper homogenization.
Let the mixture rest for 5 minutes.
Application:
It is recommended that the application be done with a brush, roller or air gun, in at least 2 coats. The next coat should be applied 12 hours after the first. Any excess material should be removed from the surface. All tools and equipment should be cleaned immediately after use with NanoPhos Thinner A.

Coverage rate

8-10 m2/L, depending on the degree of absorption of the surface.

Application recommendations

Before applying NANOMAX PU Varnish Matte/Gloss on mortar or micro-cement surfaces, the surface requires priming with NanoPhos SurfaMix™ P or SurfaMix™ Epoxy Primer WB primer.
The varnish is transparent, with a matt or glossy finish, but after its application the original colour of the surface can be accentuated. On surfaces on which waterproofing products have been applied or on surfaces already modified, a test must be carried out, on an isolated area, before full application, to avoid any failure of adhesion.
The humidity of the application surface must not exceed 4% and the relative humidity of the environment 65%.
High humidity of the environment and unfavorable weather conditions during application, until the varnish dries, can affect its gloss and hardening. In case of rain or high humidity within 48 hours, the application of the varnish must be p
It is recommended to test the material during the working time of the mixture (approx. 2h depending on environmental conditions), as its hardening process inside the mixing container is not visible. At low temperatures/ high humidity, drying times are extended.

Storage

Component A: Store in the original, closed packaging, in a well-ventilated, moisture-free area, at a temperature of 5ÿC to 35ÿC , protected from sunlight and frost.
Component B: Store in original, unopened packaging, in a well-ventilated, moisture-free area, at a temperature of 5ÿC to 35ÿC, away from sunlight or frost, for at least 12 months from the date of production. There is a possibility of polymerization of component B in its container if exposed to atmospheric moisture.

Health and safety

Read the product label before use. The technical data sheet is available by requesting it from our team via email: office@nano-auto.ro or by phone: 0726632423.

SurfaPaint™ PU Varnish Matte/Gloss

Two-component polyurethane transparent protective varnish

Available Packages

1kg metal containers
- **Base - Part A**
- **Hardener - Part B**

5kg metal containers
- **Base - Part A**
- **Hardener - Part B**

- **20kg metal containers**
- **Base - Part A**
- **Hardener - Part B**

In a ratio of 5.25:1, A:B by weight

Disclaimer: The recommendations in the technical data sheet for the use of NanoPhos products are based on our scientific knowledge, laboratory studies and long-term experience. The information provided should be considered indicative and subject to review based on the specific conditions of each practical application. The compatibility of the product should be examined in each case for a specific use, and the end user is fully and exclusively responsible for any side effects that may occur in the incorrect use of the product.

NanoPhos SA
PO Box 519, Sci. & Tech. Park of Lavrio, 1st Km. Lavrio - Athens Ave., 19500 Lavrio, Greece
T. (+30) 22920 69312 | F. (+30) 22920 69303 | E. info@nanophos.com | W. www.NanoPhos.com