



Anti Graffiti Varnish

water based 2pack varnish to protect against graffiti

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Description

Excellent quality and special composition water based 2pack varnish. Based on new technology pu resins. It presents excellent adhesion on suitably prepared surfaces and develops strong chemical strength.

Purpose of Use

Ideal for protection against graffiti. It can also be used to create surfaces suitable for writing with board markers. It can be used on already painted surfaces with emulsion or acrylic paints, on wooden surfaces, on plaster, on visible concrete.

Product characteristics

- New technology pu water based resins.
- High adhesion
- High resistance to chemical factors.
- High resistance to external weather conditions
- Long lifetime

Shades

Available in transparent, not tintable

Performance

10-12 m²/lt per coating (Performance may vary depending on the application method and the surface absorbency.)

Recommended paint systems

New Surfaces	Product	Coatings
Primer	The same material is used	1 coat thinned up to 15% by volume with water
Final coating	Anti Graffiti	2 coats thinned up to 6% by volume with water



Old surfaces	Product	Coatings
Primer	the same material is used	1 coat thinned up to 15% by volume with water
Final coating	Anti Graffiti	2 coats thinned up to 6% by volume with water

Application conditions

The application is carried out at an ambient temperature of 12 ° C to 30 ° C and a maximum relative humidity of 75%.

Application Instructions

Apply with a roller or brush, at an ambient temperature of 12°C to 30°C and maximum relative humidity of up to 75%. Do not apply on wet surfaces or when there is a chance of rain in the next 48 hours.

Stir well the content of the A' component. Afterwards pour in it the content of B' component container. Stir well for 2-3 minutes so that is fully homogenized.

Then thin the mixture with the desirable amount of water. Leave the mixture to rest for 5 minutes.

Immediately the material can be used. The lifetime of the mixture is 2,5 hours at 25 ° C

Caution: There is no clear indication of the end of lifetime, but after this time (2,5 hours) the material does not retain its properties. During the application period, work well with the painting tool trying not to leave the material very thick. For maximum protection, the surface must be completely covered with the material without leaving small pores or spots where there is no sufficient quantity of the material. Therefore 3 coats are recommended.

Surface preparation

Surfaces should be dry and clean from oil, grease, and loose materials. On old surfaces we clean thoroughly from foreign materials (bituminous, mold, dust, cementitious coatings, loose materials)

New cementitious surfaces should be allowed to mature 28 days before the application of the material.

Technical characteristics

Specific gravity: A' component of 1,00 ± 0,02 gr/cm³ (ISO 2811)

B' component 1.10 ± 0.02 gr/cm³ (ISO 2811)

Mixture 1.03 ± 0.02 gr/cm³ (ISO 2811)

Viscosity: 70-80 sec (CUP 4 (25°C))

pH: A' component 8.3 ± 0.2

Mixing ratio: 3 parts of component A' to 1 part component B' by volume.

Coverage: 10 - 12 m²/lt depending on the type of surface and the way of application.

Drying time: Touch dry from 1 to 1.5 hours depending on weather conditions.

Through dry: After at least 24 hours (These times may be elongated depending on temperature and humidity).The material develops full chemical strength after 7 days.

Recoat: After 2 hours and not after 24 hours. If the material has to be repainted after a long period of time it has to be sanded down using sandpaper.

Pot life: 2.5 hours at 25°C

Gloss: More than 85 units at 60°

Solvent: Water

Thinning: Thin with water at 15% by volume in the case of the first coat (primer) and 5 to 6% by volume in the case of final coatings.

Packing:
7,5lt > A Component
2,5lt > B Component



Bases:



Stir well
before use



Coverage:

10 - 12m²/lt



Drying time:

Touch dry after
1-1.5 hour



Application:

With roller



Application:

With brush



According to 2004/42/EC

According to 2004/42/EC

Phase II, subcategory I – decorative effect coatings. VOC limit value = 200 gr/lt. Max VOC value = 70 gr/lt (ready to use).

Special Instructions

After the application of three (3) coats and the proper coverage of the surface the surface needs seven (7) days to fully capture its strength. If graffiti is displayed prior to complete drying, there is a possibility that the surface will not be properly cleaned. After writing, try to clean the surface as soon as possible to get better results. For spray cleaning, use special solvents such as NC1 of BERLING using a cloth or paper. Do not leave the cloth or paper with the solvent for a long time on the surface of the material. It may cause damage to the material. In difficult cases, repeat the cleaning procedure. The material has been tested and works properly with the majority of spray products of the market. In the case of board markers writing, cleaning is straightforward and fast with a cloth or paper slightly wet. If you use a board marker that after cleaning leaves shades, then clean with the special solvent and try another marker. The material keeps its strength even after several cleanings if the proper cleansing solvents and the correct way have been used. You may notice after some uses (cleaning) a reduction in the gloss level of the material. This is normal and its performance is not affected. When the surface is very often used and cleaned, it is recommended to apply a new clear coating, so that the desired results last longer.

Storage

Keep cans air-tight sealed and protect from frost. For long-term storage the product is best kept indoors in order to avoid its exposure to very low or very high temperatures as well as high humidity conditions. Special caution should be paid to storage of Component B' as it may be easily polymerized by atmospheric humidity. Store away from heat sources, direct solar radiation, sparkles and ignition sources. Keep away from food and drinks.

Cautions- Environmental effect prevention

The product is addressed to professional users only.

Paint remains and dirty cans should be treated as dangerous wastes, according to local regulations.

Wear always suitable protective glasses, gloves and equipment to protect the respiration. Use the product according to the instructions described on its label.

For more information on its hazardness and cautions, ask for and read the Safety Data Sheets of Products before using the product.

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Application:
With roller



Application:
With brush



All the above information is based on laboratory tests and long-term experience of the company's scientific personnel. Product quality is guaranteed by our operational system, which is based on the requirements of ISO 9001 and ISO 14001 Standards and EMAS Regulation.
As producers we don't take any responsibility for any damage that may caused in cases that the product hasn't been used for the appropriate application and according to the application instructions.

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