

ANTI GRAFFITI VARNISH

water based 2pack varnish to protect against graffiti



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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. 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.



Stir well before use



Coverage:
10-12 m²/lt



Drying time:
Touch dry from 1 to 1.5 hours



Thinning
with water at a percentage of 15% v/v



Paint:
Roller



Paint:
Brush

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.

Packaging:

5Kg
10Kg



The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Technical Specifications



Specific gravity	A' component of $1,00 \pm 0,02$ gr/cm ³ (ISO 2811) B' component 1.10 ± 0.02 gr/cm ³ (ISO 2811) Mixture 1.03 ± 0.02 gr/cm ³ (ISO 2811)
Viscosity	70-80 sec (CUP 4 (25 ⁰ C)
pH	A' component 8.3 ± 0.2
Mixing ratio	3 parts of component A' to 1 part component B' by volume.
2 Coverage	10 - 12 m ² /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 (These times may be elongated depending on temperature and humidity)
Pot life	2.5 hours at 25 ⁰ C
Gloss	More than 85 units at 60 ⁰
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.

ACCORDING TO 2004/42/EK

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



Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. **Special caution** should be paid to storage of Component B' as it may be easily polymerized by atmospheric humidity Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.
For further information ask for the Safety Data Sheet of the product.

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Recommended application systems

Interior/Exterior surfaces

- **New/Old surfaces**

Special Instructions

After the application of three (3) coats and the proper coverage of the surface the product needs seven (7) days to fully develop 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 graffiti cleaning, first use water jet .If the results are not satisfying , then 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.

Application Instructions

Apply with a roller or brush, at an ambient temperature of 12^o C to 30^oC 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. After this period 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.

Primer

Use the product itself

1 coat thinned up to 15% by volume with water.

Final coating

Use the product itself

2 coats thinned up to 6% by volume with water.

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