

FORCE VARNISH

Waterborne varnish for structural surfaces

03.2025 V.04

One component waterborne varnish based on new technology self-crosslinking resins. Demonstrates excellent characteristics, such as resistance to weathering and mechanical stress. It has very good adhesion and is suitable for any kind of structural surface, such as bricks, concrete, concrete floors and surfaces treated with forged cement. It can be applied on new and already painted surfaces after suitable preparation, either vertical or horizontal.



Stir well before use



Coverage:
14-18 m²/lt



Drying:
Touch dry 1-1.5 hrs.



Thinning
The product is ready to use



Paint:
Roller



Paint:
Brush

Product Characteristics

- UV Protection (Hals protection)
- Non-yellowing
- Gloss, satin, and matt finish
- Transparent
- Does not alter the shade of the painted surface
- Excellent resistance to weather conditions
- Excellent resistance to mechanical stress
- Resistant to mild cleaners
- Strong adhesion
- Easy to apply
- Suitable for indoor and outdoor use

Shades

Available in colorless and three different gloss levels (gloss, satin, matt). It cannot be tinted.

Packaging:

3lt
9lt



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



V.O.C	100gr/lit (Maximum Volatile Organic Compounds content ready for use).
Density	1,03 ± 0,02gr /cm ³ (ISO 2811)
Viscosity	55-65K.U., 25°C (ASTM D562)
pH	7-9
Performance	14 –18 m ² /lit, per coat, depending on application method and the kind of the surface and for the thinned product according to the thinning suggestions.
Gloss	Gloss: 75-85 units, at 60° Satin: 50-60 units, at 60° Matt: 10-20 units, at 60°
Thinning	The product is ready to use. For new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume.
Application	The product is applied by brush or roller
Drying	Touch dry 1-1.5hrs, depending on the weather conditions. (The drying time might be elongated according to temperature and humidity conditions)
Recoating	Repaint after at least 3 hrs, depending on weather conditions. (The drying time might be elongated according to temperature and humidity conditions)

ACCORDING TO 2004/42/EK

PHASEII, Subcategory i, one-pack performance coatings., Max VOC Content limit value:140gr/lit Max VOC content:100gr/lit (ready to use product).



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. 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

New and old-already painted surfaces

- New /Old-Already painted surfaces.

Preparation

Surfaces must be clean, dry, and free from dust, grease, oils, etc. If the surface is treated with forged cement, it should be allowed to fully dry and the alkalinity reduced before applying the varnish. In case of new cementitious materials, then they should be allowed to dry well before painting for at least 21 days. In Old and already painted surfaces, rub mechanically first 2 times with sandpaper (e.g. 80) and then with fine sandpaper (e.g. 150). Carefully remove dust and then apply the product.

Primer

To facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume.

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1 coat

Final coating

Apply the product without thinning, with a time interval of 3 hours between each coat.

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2 coats