

# Decocem varnish

**Technical Specifications**  
Date of Issue: 02/06/2025  
Version Number: 4<sup>th</sup>

## Water-based Polyurethane-Acrylic Varnish with High Penetration and Nanomolecular Structure for Stone, Wood and Cementitious Substrates



Decocem Varnish is a specialized clear protective varnish designed to enhance both the appearance and durability of natural and porous stones, bricks, cement-based and acrylic decorative surfaces. It is odorless, non-yellowing and offers exceptional resistance to harsh weather conditions and high alkalinity, making it suitable even for freshly poured cement surfaces. It improves the surface's aesthetic by providing a "wet-look" effect while remaining user and environmentally friendly. Due to its resistance to oil-based stains, it is ideal for surfaces that require both durability and visual enhancement.

### Fields of Application

Suitable for indoor and outdoor use on:

- Natural and porous decorative stones
- Bricks
- Cement-based and acrylic decorative finishes
- Stone floors
- Pressed cement screed
- Courtyards, vacation, island homes and parking areas

### Properties – Advantages

- Excellent chemical and mechanical resistance
- High resistance to adverse weather conditions
- High alkali resistance
- Hot tire resistance
- Dirt pick-up resistance
- Quick drying

### Physical & Chemical Characteristics

Viscosity	29-32 sec (CF4, 25° C)
Density	1,035±0,010 Kg/L (20° C)
Solids Content	30±1%
pH	7-8

### Application

Always stir the product thoroughly before use. Apply 2 or 3 coats depending on the substrate's absorbency, using a roller, brush, spatula (T-bar applicator), or spray gun.

### Thinning

No thinning required. The product is ready to use. If applied as a first coat, it is recommended to dilute 1:1 with water.

### Drying – Recoating

The varnish dries to the touch within 20–25 minutes. Recoating can be done within 2–3 hours without sanding, or after 5 hours with light sanding using Free Cut 320. In low temperatures or high humidity, drying and recoating times are extended. Do not apply at temperatures below 5°C or above 35°C.

### Coverage

Approximately 9–12 m<sup>2</sup>/L, depending on substrate absorbency.

### Gloss Level

**Maximum gloss:** 88% at 60°, depending on application method.

The first coat gives a matte-satin appearance, depending on the surface absorbency. Gloss increases with the second and third coats.

### Storage

The factory-sealed container can be stored for at least 12 months in a dry, shaded, and cool area at temperatures between 5°C and 35°C.

After application, the container should be resealed tightly and stored under similar conditions.

### Tool Cleaning

Immediately after use, clean all tools thoroughly with plenty of water and soap or a detergent solution to keep them in optimal condition.

Do not dispose of rinse water into groundwater systems.



Βιομηχανία βερνικιών & χρωμάτων varnishes & paints industry

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## Waste Management

Do not dispose of leftover product with household waste or via the sewer system.  
Empty containers should be managed in accordance with local regulations.  
Consult local authorities or national agencies for guidance on proper disposal.

## Volatile Organic Compounds (VOCs)

The EU maximum VOC limit (Directive 2004/42/EC) for this product category [Category A/h "Binding primers – One-component coatings", Type Y] is 140 g/L (2010).

The ready-to-use product contains a maximum of 139 g/L.

## Safety Instructions

Read the label before use. For detailed precautions and safety guidelines, consult the product's Safety Data Sheet (SDS).  
Poison Information Center: +30 210 77 93 777



All details, technical data, advice and information provided in this manual are the result of laboratory measurements, numerous tests, long-term research, multiple technical applications, and many years of experience. This information and specifications should be considered as recommendations, as there may be discrepancies between them. The company tries to ensure the accuracy of the information provided, but product specifications are subject to change without notice and may differ from those shown. In practice, differences in materials, substrates and application conditions can affect the suitability of materials for the specific use and working conditions. No liability whatsoever can be established against the company on the basis of the information, written instructions or any other form of instructions provided herein. It is the responsibility of the user to confirm that the material is suitable for the intended use, and consequently, the user is solely responsible for the results obtained from the use of the product. Moreover, the Company is not responsible for normal wear and tear or damage caused by environmental or other improper conditions. The limitations and conditions of the disclaimer apply in line with the applicable legislation. The company maintains a Technical Support Department, which is the only one responsible for providing technical advice and solutions to problems. Requests to the Technical Support Department are addressed and answered only in writing. To access the latest version of the Technical Data Sheet, which replaces all previous versions, please visit our official website at [www.vernilac.gr](http://www.vernilac.gr).

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