



Surface Protection ARMOR VARNISH™

Technical Data Sheet

Reviewed: 11.04.2024

DESCRIPTION

ARMOR VARNISH is a high quality transparent, hybrid water-based varnish. Enriched with new generation nano-modified acrylic - polyurethane resins, it's ideal for application on concrete floors, microcement coatings, concrete & cementitious surfaces, water-based masonry paint and any type of structural surfaces. It has excellent penetrating capacity, excellent resistance to UV rays and adverse weather conditions. It has great mechanical strength and protects surfaces from wearing, tearing, humidity and staining. Preserves and enhances the natural beauty of the surface applied for decorative purposes. It is suitable for interior and exterior use.

ADVANTAGES

- Excellent resistance to sunlight (UV radiation).
- Excellent durability, withstands moisture, water and temperature variations.
- Excellent adhesion and penetration
- Available in gloss, satin and matte finish
- Excellent finishing - enhances the natural beauty of concrete and cementitious floors
- Excellent water repellence
- Long lasting protection from stains, rain, humidity, fungi, mold etc.
- Easy to use – 1 component.
- User friendly – waterbased
- Easy to apply – ready to use material.
- Resistant to mild cleaners
- Non yellowing
- Interior and exterior use

APPLICATIONS

- Ideal for protection and aesthetic improvement of concrete, cementitious floors, bricks, etc.
- Suitable for protection of horizontal or vertical surfaces, applied on top of acrylic or emulsion paint.

INSTRUCTIONS FOR USE

Substrate preparation

1. Surfaces must be dry and clean from dust, unstable material, oil and rust.
2. New surfaces must be cleaned with a wet sponge prior to application.
3. Old, stained surfaces must be cleaned with OXY CLEAN CL 17 prior to application. Pressure clean wide stone surfaces if needed to remove dirt and use OXY CLEAN CL 17 for stagnant stains.
4. Surfaces must be completely dry prior to application.

Primer

1. Apply **ARMOR VARNISH** thinned 15 – 20% with water on new porous surfaces. Then proceed with the application.
2. Old and already painted surfaces must be scraped mechanically with sandpaper: 120 then 240. Clean carefully the dust and proceed with the application of **ARMOR VARNISH**

Application

1. Stir material thoroughly before application.
2. Apply with a brush or roller diluted up to 10% with water. For application with a spray gun (for vertical surfaces) dilute 10 - 15% with distilled water. Special attention must be given to even application.
3. The first coat must be thinned up to 10% by volume with water.
4. Apply the second coat diluted up to 5%, 3 – 4 hours after the first coat.
5. Windows, doors, plants etc. must be carefully covered prior to application.

CLEANING

Remove as much material as possible from brushes and rollers before cleaning. Clean all equipment immediately after use with water and soap.

REMARKS

Due to the wide variety of substrates and environmental conditions, a compatibility test is recommended in an inconspicuous spot prior to full scale application. Do not apply if rain is expected in 48 hours.

COVERAGE

12 – 16 m²/Lt / Layer depending on the surface texture, absorption, and quality. Min. 2 layers

TECHNICAL CHARACTERISTICS

Base: new generation hybrid polyurethane – acrylic dispersion

Form: Liquid

Gloss levels: Gloss, Satin, Matte

Color: Transparent (DRY)

Odor: Characteristic

Specific gravity: 1,00 +/- 0,05 gr/ml 25°C

Flammability: Non flammable

Application temperature: +10°C εωζ +35°C. RH <70%

Thinning: 5% - 15% depending on the surface with clean water.

Drying time: Touch dry after 30 - 45 minutes. Recoat after 3 – 4 hours.

Light pedestrian traffic: 48 hours. Fully cured: 7 – 14 days. Drying time depends on weather conditions and the thickness of the layer applied.

VOC (Volatile Organic Compounds): Maximum value in EU for category «ONE PACK COATINGS» (Scat.|| i): 140 gr/lit (2010). This product, ready to use, contains a maximum of 40gr/lit VOC.

STORAGE

In a cool and dry place at temperatures between +5°C - +25°C, away from sources of ignition, flame, and direct sunlight. Protect from frost.

SHELF LIFE

At least 24 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

Evochem®

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PACKAGING

Available in Gloss, Satine and Matte finish
Tins 750 ml, 2.5Lt, 9Lt

PACKAGING	CODE	BARCODE
GLOSS		
750ml	1975	5204094019756
2,5Lt	1976	5204094019763
9Lt	1977	5204094019770
SATIN		
750ml	1978	5204094019787
2,5Lt	1979	5204094019794
9Lt	1980	5204094019800
MATT		
750ml	1981	5204094019817
2,5Lt	1982	5204094019824
9Lt	1983	5204094019831

HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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