

**WATER BASE ACRYLIC POLISHING VARNISH (CONCENTRATE)**

**DESCRIPTION**

PENECOAT™ ACRYLIC-W is waterbased acrylic polishing varnish (concentrated), with high solids content (average diameter solids), minimum water absorption and surface stabilizer for concrete and mortars. Furthermore, it can be used as varnish or pre-priming in the cement coatings system PENETRON® TOP FINISH FINE, before the use of polyurethane-based varnish and also has good solar radiation resistance.

**RECOMMENDED FOR**

- ▶ Surface stabilizer for concrete and mortars.
- ▶ Varnish for cement mortars and cement coating.
- ▶ Underlayment, before the application of polyurethane-based varnish.

**ADVANTAGES**

- ▶ UV stable.
- ▶ High solids content.
- ▶ Minimum water absorption.
- ▶ High drying rate.
- ▶ High durability and friction resistance.
- ▶ Good flexibility.
- ▶ Easy cleaning.
- ▶ Small deposit concentration.
- ▶ Easy application and environmentally friendly.

**TECHNICAL CHARACTERISTICS**

Characteristics	Test Result	Test Method
Composition	Acrylic emulsion water based	
Colour	Milky – White	
Density	1,08 Kg/Lt	
Solids content	62%	ISO 3251
pH value	6	ISO 976
Viscosity (23°C)	550 mPas	ISO 2555
Minimum film-forming temperature	0°C	
Average particle size	0,4 µm	
Glass transition temperature (start)	5°C	
Glass transition temperature (av)	13°C	

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

## WATER BASE ACRYLIC POLISHING VARNISH (CONCENTRATE)

## DIRECTIONS FOR USE

**Surface Preparation:** The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Remove all loosing materials. New concrete structures need to dry for at least 28 days, while the maximum moisture content should not exceed 5% for mortars and cement coatings. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed.

**Mixing:** PENECOAT™ ACRYLIC-W mixed with potable water, at a ratio 1:1 by weight, using a mixing drill, prior to application.

**Mixing ratios:** Dilution 1:1 with water (by weight)

**Application:** Apply PENECOAT™ ACRYLIC-W as stabilizer in one or two layers, depending on the project requirements and underlayment absorbency. As cement coating varnish, apply in one or two layers, and as pre-primed polyurethane-based varnish, apply in a single layer. The application is made by brush, roller or brush, and spraying.

**Coverage:** 0,100 – 0,150 kg mixture/m<sup>2</sup>, per layer, depending on surface absorption.

## PACKAGING

PENECOAT™ ACRYLIC-W is available in 5 kg and 20 kg plastic containers.

## STORAGE / SHELF LIFE

When stored in a dry and cool place in their original, unopened containers, shelf life is 12 months. Protect the material against moisture and direct sunlight. Storage temperature should be between 5°C - 35°C.

## SAFE HANDLING INFORMATION

Will irritate eyes and skin and may cause skin sensitization. Wear appropriate eye, skin and breathing protection, when using this product. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For further information please refer to Safety Data Sheet. PENETRON HELLAS S.A. has recently updated Safety Data Sheet on the safe use of PENETRON® products. Each Safety Data Sheet contains health and safety information for the protection of your employees and your customers. KEEP OUT OF REACH OF CHILDREN.

## WARRANTY – DISCLAIMER

PENETRON HELLAS S.A. warrants that its products are manufactured under certified ISO Standard procedures, are of excellent quality and shall be free from material defects and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON HELLAS S.A. shall be limited to replacement of the material proven to be defective, since the standard application procedures have been met and the suitability of the product for the particular application have been proven. PENETRON HELLAS S.A. makes no warranty as to merchantability of fitness for a particular purpose. User, after contacting the distributor of the product, shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. While every care has been taken, the information provided in this product's data sheet make no part of any contract. All recommendations, technical data and test data contained in this product's data sheet are based upon the results of control laboratory tests or in actual field tests. However, PENETRON HELLAS S.A. makes no warranty of any kind, concerning this data. In any case, this data are given in good faith based in the PENETRON HELLAS S.A. experience, till the publication of this sheet. Due to variance in storage, handling and applications of the materials, PENETRON HELLAS S.A. accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their specific requirements. The users should always refer to the most recent edition of the product's data sheet. PENETRON HELLAS S.A. may particularly differentiate its versions of the product's data sheet compared with those of PENETRON INTERNATIONAL LTD or respective PENETRON companies worldwide. These changes are due to text formatting, different application weathering and procedures or different product names and aim at the optimal consumer information.

PENETRON HELLAS S.A.  
50, THRAKOMAKEDONON AV.  
GR 136 79 ACHARNES  
TEL: +30 210 2448250 - FAX: +30 210 2476803  
www.penetron.gr - info@penetron.gr