

Aquarex EPH

Water Dispersed Epoxy Hybrid Coating

PRODUCT DATA

DESCRIPTION

Aquarex EPH is an environment friendly two component waterbased Epoxy Hybrid coating for use as primer and finishing.

USES

Provides excellent adhesion and gives superior durability to most substrates. It also exhibits outstanding wear and chemical resistance properties. Aquarex EPH is highly recommended as dust proofing coating. Application area includes electronic, car parks, food, pharmaceutical, chemical production and process areas. It also can be applied as a protective clear coat on old painted substrates to restore the original look.

BENEFITS

- Low VOC, Low Odour, user friendly
- Extremely hard wearing
- Non-Yellowing
- Excellent chemical resistance
- Excellent adhesion

TECHNICAL DATA

No.Of Coats Recommended	2-3
No.Of Component	2
Mixing Ratio	4:1 by weight of Part A & Part B
Pot life	30 min at 30°C
Cleaner	Water
Finish	High Gloss
Estimated Coverage	6 -7m ² /kg/coat

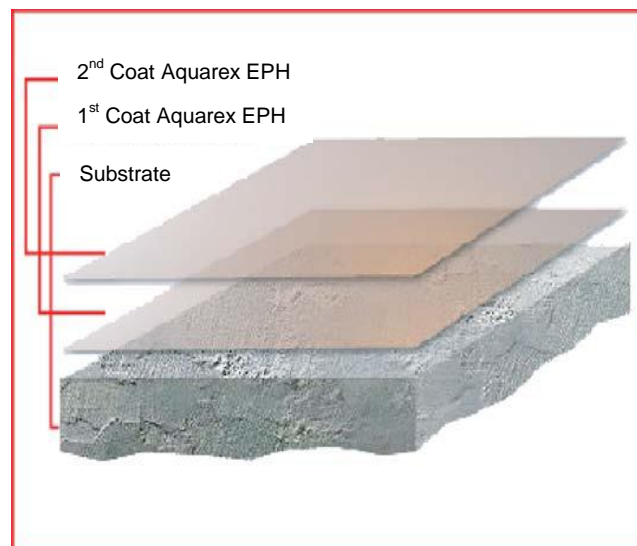
Note: Consumption figure given is theoretical coverage. Due to wastage factor, the variety nature of substrate, and the site application condition, etc, the practical consumption may be reduced.

COLOR

Available in pigmented and clear for glazing.

PACKAGING

Available in 5kg packs, consisting of Base A and Hardener B.



SPECIFICATION

Substrate to be coated must be sound, clean and free from any contamination. Mechanical stone grinding should be employed followed by thorough vacuuming. Apply 2-3 coats of Aquarex EPH at a spreading rate of 6m²/kg/coat at an interval of minimum 8 hours. All applications must be carried out in accordance with manufacturer's written instructions.

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APPLICATION PROCEDURE

Surface Preparation

Substrate should be structurally sound, clean, and free from loose particles, oil, grease and other contaminants. Employ relevant surface preparation procedure on all floors to receive coating.

Mixing

Stir each component separately using a slow speed (750rpm) electric drill fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part B into Part A and continue to mix for 2-3 minutes before use.

Application

Apply Aquarex EPH within its pot life, which is approximately 30 minutes depending on the room temperature. Any unused material after this time must be discarded.

1st Coat / Primer

Can be thinned up to 10% - 15% clean water to help better penetration and workability.

Subsequent Coats

Either 1 or 2 coats of full strength and thinned up to 5% clean water dependant on the absorbency of the substrate or the opacity of the colors.

Thinning

Use clean potable water.

Method Of Application

Brush, roller (short hair mohair roller), airless or conventional spray.

Recoating

Minimum Recoating Time: 8 hrs. at 30°C

Curing

The curing time depends on the surrounding temperature, humidity, and thickness applied. Under normal circumstances, initial curing will take place after 4 hours.

HEALTH AND SAFETY

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not take internally. Wear skin and eye protection. Please refer to product Material Safety Data Sheet (MSDS) before using. Dispose off diluted rinse water only into a sanitary sewer. Conform to local regulations for disposal.

CHEMICAL RESISTANCE

Aquarex EPH has excellent chemical resistance to a wide range of industrial chemicals.

Chemical Resistance Chart

	Good	Limited
Crude Oil	✓	
Petrol (without alcohol)	✓	
Sodium Chloride 20%	✓	
Acetic Acid 5%		✓
Lactic Acid 5%		✓
Ethyl Alcohol 10%	✓	
Caustic Soda 20%	✓	
Ammonia 10%	✓	
Oil	✓	
Detergents	✓	

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted or test product at site to determine product compatibility.

CEMKRETE have a wealth of technical and practical experience built up over many years in our pursuit of excellence in flooring and concrete technology, customers are welcome to call our Technical Service Department.

Important Note: The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance, customers are advised to thoroughly test them before adapting them to their on use