

DESCRIPTION

AQUAREX EPH is a 2 component water dispersed hybrid epoxy coating formulated using the latest hybrid technology. Its feature lies in its superiority in improved adhesion, abrasion and water tolerant properties over the old generation products.

USES

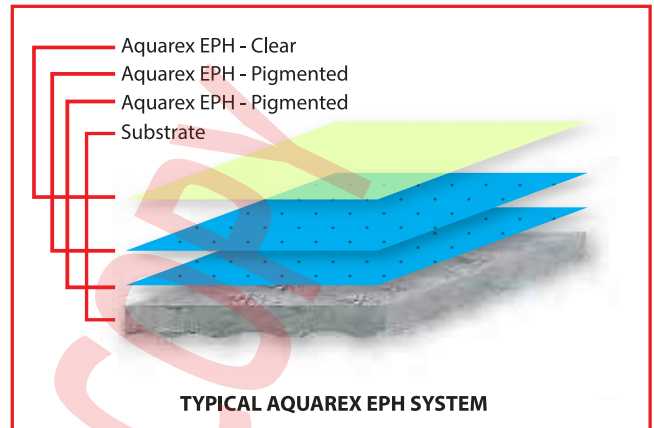
It is formulated for use on walls and floors of hangars, warehouses, garages, manufacturing facilities, clean rooms, car parks, walkway and other light to medium traffic areas.

BENEFITS

- Economical - performance vs cost
- Hygienic - easy to clean and maintain
- Durable - excellent abrasion resistance
- Attractive - available in a range of colors
- Water-based - odorless, safe and Environmental Friendly

COLOR

Available in clear and in six standard colors:
Red, Green, Cream, Light Grey, Dark Grey and Brown Beige.

**TYPICAL AQUAREX EPH SYSTEM****Technical Data :**

No. of Components	2
No. of Coats Recommended	2-3
Recommended Dry Film Thickness	60μ-80μ (2coats)
Mixing Ratio (By Weight)	4:1 by weight of Part A & Part B
Pot Life	30 min at 30°C
Curing Time	Foot Traffic - 3-5 hours @ 30°C Vehicle Traffic - 24 hours @ 30°C Full Cure - 72 hours at 30°C
Estimated Coverage	6 - 7m ² /kg/coat depending on substrate condition
Bond Strength	>2.0 N/mm ²
Compressive Strength	>5N/mm ²
Flexural Strength	<1N/mm ²
Abrasion Resistance	0.1g/1000g (CS-10 Wheels)
Temperature Resistance	>80°C
Packaging	5kg & 10kg
Shelf life	12 months in unopened container stored <30°C

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

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 before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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AQUAREX EPH

WATER BASED, HYBRID EPOXY FLOOR AND WALL COATING

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

SUBSTRATE REQUIREMENT

Substrate to receive **AQUAREX EPH** should preferably be Grade 20 concrete or above, waterproofed and impermeable that when measured with a moisture meter, its reading should not exceed 5%. Cracks, joints if present must be treated accordingly by normal concrete repair procedures.

SURFACE PREPARATION

Laitance and other foreign materials are to be removed by grinding, grit blasting or scarification depending on the profile and depth of removal required. All residues must be vacuum to provide a dry, dust-free open textured surface. Porous substrates (high air cavities) will need a primer such as **CEMKRETE'S UNIPRIME 134 WB** to consolidate its surface before applying **AQUAREX EPH**. It is understood that **AQUAREX EPH** is not a floor leveler, floor undulations must be corrected by other means of floor leveling procedures.

MIXING

AQUAREX EPH is a 2 component product which requires proper mixing and handling. Hand mixing is not recommended at any stage of mixing. It is advisable to read the Product Data Sheet thoroughly and understand its properties before proceeding to use the product.

THINNING

On normal substrate when applying the 1st coat, **AQUAREX EPH** must be thinned with 10 - 15% of clean potable water after Part A and B are thoroughly mixed. On subsequent 2nd coat, 5 - 10% thinning should be sufficient.

For porous concrete, besides consolidating substrate with **UNIPRIME 134 WB**, 10% - 20% thinning may be required. Make sure water is added only after mixing Part A and Part B and continue mixing product until homogenous before application.

METHOD OF APPLICATION

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

APPLICATION

On the properly prepared substrate, apply **AQUAREX EPH** by roller and spread uniformly at a rate of 6-7m²/kg/coat depending on substrate conditions. All rolling strokes must be unidirectional to avoid roller marks. Take precaution on roller lapping to ensure uniform thickness and appearance.

Do not mix **AQUAREX EPH** more than that can be used within the stipulated pot life.

Allow minimum 6-8 hours curing before top coating.

TEMPERATURE

AQUAREX EPH should only be applied on substrate at temperature between >10°C and <30°C.

HEALTH & SAFETY

Some of the components in this product may be hazardous during mixing and application. Wear suitable protection clothing, gloves and eye protection. The use of barrier creams provides additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and consult a physician. If swallowed, do not induce vomiting and seek medical attention immediately.

FURTHER INFORMATION

CEMKRETE is the leading supplier of engineered construction products in South East Asia. Our full line of products includes industrial polymer floor and wall coatings, waterproofing, structural repair materials, and other specialty protective coatings. Your solution provider to solve any building needs.

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