

**DESCRIPTION**

**AQUAREX EPH** is a two-component water dispersed hybrid epoxy coating formulated using the latest hybrid technology. The product feature 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**

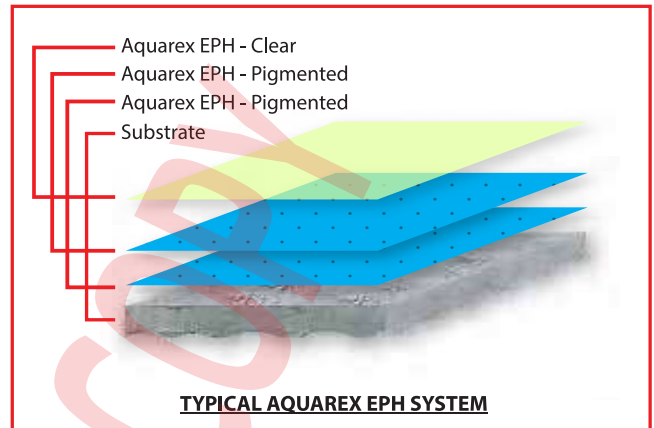
- Economical - performance vs cost
- Hygienic - easy to clean and maintain
- Durable - excellent abrasion resistance
- Attractive - available in a range of colors
- Water-based - odorless, safe and Environmental Friendly
- Green Label - certified by Singapore Environment Council

**COLOR**

Available in pigmented and clear for glazing.

**PACKAGING**

Available in 5kgs or 10 kgs packs.

**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 <sup>2</sup> /kg/coat depending on substrate condition
Bond Strength	>2.0 N/mm <sup>2</sup>
Compressive Strength	>5N/mm <sup>2</sup>
Flexural Strength	<1N/mm <sup>2</sup>
Abrasion Resistance	0.1g/1000g (CS-10 Wheels)
Temperature Resistance	>80°C
Packaging	5kg & 10 kg
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.

**WEBSITE**

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# AQUAREX EPH

WATER BASED, HYBRID EPOXY FLOOR AND WALL COATING

**CEMKRETE®**

ISO 9001 &amp; 14000 CERTIFIED

## SUBSTRATE CONDITION

### SUBSTRATE REQUIREMENT

Floor to receive **AQUAREX EPH** should be preferably Grade 20 concrete or above and waterproofed that when measured with the moisture meter, its reading should not exceed 5%. Cracks, joints if there is 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 undulation must be corrected by other means of floor leveling procedures.

### MIXING

**AQUAREX EPH** Aquarex EPH is a two components product which requires proper mixing / handling; hand mixing is not recommended! It is recommended to read Product Data Sheet thoroughly and understand its properties or consult **CEMKRETE** Technical representative before proceeding to use product.

### THINNING

On normal substrate when applying the 1st coat, **AQUAREX EPH** must be thinned with 10 - 15% of clean portable 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**, 20% - 30% thinning maybe 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 spray, roller or squeegee and spread uniformly at the rate of 6-7m<sup>2</sup>/kg/Coat depending on substrate conditions. All rolling strokes must be uni-direction to avoid roller mark. Take precaution on roller lapping to avoid thickness difference which may also form roller mark eventually. More than one coat of **AQUAREX EPH** may be required if the high porosity of substrate is anticipated.

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

Although **AQUAREX EPH** is a water based product, some of the components may be hazardous during mixing and application. Always use with suitable protective gears and adequate ventilation. Please read the relevant Health & Safety Data Sheet, available on request.

## FURTHER INFORMATION

**CEMKRETE SDN BHD** is the leading manufacturer of Polymer Flooring System and we have many years of hands on experiences not limited to car park only. Our core business besides flooring, we are also known supplier of protective coatings, waterproofing, concrete repair products, cementitious / Epoxy / PU grouts, fire proofing, tank lining and surface preparation equipment. For a complete technical solution, make **CEMKRETE** your partner today. Contact **CEMKRETE** hotline now.

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