

DESCRIPTION

AQUAREX 1001 is a durable water dispersed, 2 components epoxy coating. Formulated to provide a durable coating system for walls and floors subjected to light traffic. Available in a wide range of colors and in clear.

USES

Ideal use for floor and wall coatings especially where solvent based materials are not suitable. For protection of surfaces against dusting, solvent and certain chemical spillage and to provide an easy maintained surface. Proven material for clean rooms, food processing plants, assembly plants, pharmaceuticals, warehouse, garages and other light industrial areas where hygiene and cleanliness are of importance.

BENEFITS

- Hygienic - provides easy to clean, dust free surfaces.
- Solvent-free - makes application in confined places bearable.
- Food grade - non-solvent and non-toxic Meets BS 6920-1988 (Part 1) requirement.
- Hard wearing - good abrasion resistance for foot and light vehicular traffic.

COLORS

Available in Standard Flooring colors and in clear. Other colors can be matched upon request.

FINISH

Satin



Technical Data :	
No. of Coats	2 - 3
No. of Components	2
Estimated Coverage 100μ	6.5m ² /kg/Coat
Temperature Resistance	80°C
Abrasion Resistance -taber (CS-10 Wheel)	0.25 gm/1000 gm. loading/1000 rpm gm.loading/1000rpm
Bond Strength (ACI Committee #503)	>400psi (100% concrete failure)
Solid Content (mixed)	70 % ± 2
Mixing Ratio	5:1 by weight of Part A & Part B
Pot Life	30 min @ 25°C
Cleaner	Water
Packaging	6kg & 24kg

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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SPECIFICATION

Substrate to be coated must be sound, clean, and free from any contaminant. Mechanical stone should be employed followed by through vacuuming. Apply 2-3 coats of **AQUAREX 1001** at a spreading rate of 6.5m²/kg/coat at an interval of minimum 18 hours. All applications must be carried out in accordance with manufacturer written instruction.

APPLICATION PROCEDURE**SURFACE PREPARATION**

Substrate should be structurally sound, clean and free from loose particles, oil, grease and other contaminations. Remove cement laitance, loose particles, and other contaminations from surface by mechanical cleaning preferably stone grinding and followed by vacuuming. If surface is absorbent, dampen the substrate with water before application.

AQUAREX 1001 is a thin coating and the substrate must be fine textured after surface preparation. Any surface irregularities may show through causing excessive wear on high sports and changing the perceived color of the coating.

MIXING

Stir each component separately using a high power (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 1001** within its pot life.

NOTE: Application of the mixed **AQUAREX 1001** must be completed within 30 minutes after mixing. This is to minimize variation in gloss level of the cured coating. 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.

2nd Coat / Primer

Can be thinned up to 5% - 10%

Subsequent Coats

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

THINNING

Use clean potable water.

METHOD OF APPLICATION

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

RECOATING

Minimum re-coating Time 20 hours at 25°C

CURING

AQUAREX 1001 is self-curing. The curing time depends on the ambient temperature, humidity, and the quantity mixed and placed. Under normal circumstances initial curing will take place after 8 hours.

CHEMICAL RESISTANCE

AQUAREX 1001 has excellent resistance to a wide range of industrial chemicals.

Performance against more common chemicals:-

	Good	Limited	Test Period
Crude Oil	✓		12 months
Petrol (without alcohol)	✓		12 months
Sodium Chloride 20%	✓		18 months
Lactic acid 5%		✓	12 months
Acetic acid 5%		✓	1 week
Ethyl Alcohol 10%	✓		12 months
Caustic soda 20%	✓		12 months
Ammonia 10%	✓		12 months
Oil	✓		12 months
Detergents	✓		12 months

HEALTH & SAFETY

Although **AQUAREX 1001** is non-combustible, certain ingredients may be harmful if exposure is prolonged or if contacted with. Always use with suitable protective gears. Close the container tightly after use. Keep out of reach of children.

For further information, refer to the product

Material Safety Data Sheet, available upon request.

FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make CEMKRETE your partner today! Contact hotline now.

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