PRODUCT BROCHURE

LOTUS AQUAGUARD! Water Proofing Sealer / Topcoat

HIGHLY DURABLE LOW MAINTENANCE

Lotus Aquaguard! is a 2 Part Epoxy based flexible and self-priming and self-leveling sealer/topcoat system that is designed for both exterior and interior hard surfaces of any kind, including fiber glass gelcoat, concrete, terrazzo; VCT, vinyl/asbestos or glazed ceramic tiles; wood; marble or many other manmade materials. It is stain, scratch, scuff, scorch (up to 537°C) and UV resistant.

Areas of Application

It can be applied on any hard surface, interior or exterior.

Product Property Highlights

Tremendous wear resistance.

Completely UV, stain and scratch resistant.

Contains anti-microbial additives, so no more mildew.

Flexible to withstand thermal expansion. It is completely self-priming, no primers required!

Comes in clear or any color of the rainbow!

Penetrates and seal hairline cracks, sealing the floor.

Ideal for rest-room floors, encapsulates odor causing Uric Acid.

Heat resistant to 260°C.

Properties

COLORS	Clear and many other colors upon request.
FINISH	High Gloss, Satin, Matte Finish upon request.
DRY FILM THICKNESS	50.0 to 75.0 microns dry film thickness.
SOLIDS BY VOLUME	100.00% (Orange Peel Finish); 80% (Smooth Finish)
SOLIDS BY WEIGHT	100.00% (Orange Peel Finish); 80% (Smooth Finish)
THEORETICAL COVERA	39.37/sq. meter/liter at 25.2 microns dry.
PRACTICAL COVERAG	13.08 sq. meter/liter at 75.0 microns dry if roller applied.
VOC	0.0 Orange Peel Version/ 230gms/l 80% Smooth Version.
SURFACE PREPARATIO	Prepare surface in a manner suitable for end service intended. See Primer Product Data Sheet or contact LOTUS Representative for further details.
PRIMERS	LOTUS AquaGuard is self-priming and may be applied directly to properly cleaned existing coatings.
COMPONENTS	Two (Pre-Measured; 3:1 ratio.)
INDUCTION PERIOD	Clear-None Required, Colors- 20 Minutes
SPREADING RATE	Values given are theoretical and for Un-Thinned material (100%/80% Versions)

Dry Film Thickness, Microns	Sq. M/L (Spray)	Sq. M/L (Roll)
50.0	15.86/12.61	19.69/19.75
75.0	10.49/8.43	13.13/10.49
100.0	7.88/6.29	9.86/7.88

SURFACE TEMPERATU	Should be at least 3°C above the dew point of the surrounding air. Minimum: 18°C Maximum: 60°C
DRY TIME	4 Hour Cure Product @ 25°C.To Handle: 7 hours @ 25°C.

lotus coating system

Marketed by :

Crystal Prime X

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TECHNICAL DATA

Highly Durable Low Maintenance Water Proofing Sealer / Topcoat

POT LIFE	1 hr. @ 25°C. Increased humidity and temperature will decrease pot life.
SUGGESTED APPLICATION METHOD	Foam Roller for smooth finish. Spray (air-less or air) w/proper ventilation and safety gear.
CHEMICAL CURE SCHEDULE	25°C 6 to 8 Days 32°C 4 to 5 Days 49°C 2 to 3 Days 66°C 1 to 2 Days
SHELF LIFE	One year from the date of shipment.
SUGGESTED STORAGE CONDITIONS	Cool, Dry room at 21°C
PACKAGING	TO BE DETERMINED
SHIPPING INFORMAT	TO BE DETERMINED

Chemical Resistance Properties

Acids Inorganic	10% Hydrochloric Acid 30 Hydrochloric Acid (Muriatic) 10% Nitric Acid 50% Phosphoric Acid 37% Sulfuric Acid (Battery Acid)	**Solvents (Aromatic)**	Xylene
Acids Organic	10% Acetic Acid 10% Citric Acid	**Solvents (Chlorinated)**	Methylene Chloride
Alkalis	10% Ammonium Hydroxide 50% Sodium Hydroxide	**Solvents (Ketones and esters)**	Methyl Ethyl Ketone (MEK) Propylene Glycol Methyl Ether Acetate (PMA)
Solvents (Alcohols)	Ethylene Glycol (Antifreeze) Isopropyl Alcohol Methanol	**Miscellaneous**	20% Ammonium Nitrate
Solvents (Aliphatic)	D-Limonene Jet Fuel (JP-4) Gasoline Mineral Spirits	**Chemicals**	Brake Fluid Bleach Motor Oil (SAE 30) 20% Sodium Chloride 1% Tide Laundry Soap 10% Trisodium Phosphate

CAUTION: DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN. This material may cause skin and/or eye irritation. Avoid prolonged contact with the skin or breathing of vapors or mist. If the material is spray applied, use proper face and breathing apparatus protection. Keep material away from heat and open flame. This material is designed for application by professionally trained personnel, using proper equipment. This product is not intended for sale or use by the general public.

WARRANTY INFORMATION: This material is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed

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