



TWO COMPONENT HIGH SOLIDS EPOXY CLEAR PRIMER

Features

- Low viscosity easily fills voids and crevices
- Does not shrink - eliminates craters
- Chemical and fume resistant
- Extended cure time allows maximum penetration
- Seals previously coated concrete, masonry, and galvanized metal

Recommended for

Interior, Concrete, Galvanized Metal and Reinforced Steel. Al Khaleej Epoxy Pre-Primer is designed for use on bare or previously coated concrete, "White Rusted" galvanized metal, and reinforcement of rusted steel. It seals loose edges and crevices, pinholes and other surface imperfections.

General Description

Al Khaleej Guardian Epoxy Clear Primer is formulated for use on both steel and masonry. For rusted steel, the penetrating properties and extended dry time of this two-component epoxy seal crevices and other imperfections, promoting better adhesion for subsequent coats. For prepared masonry surfaces, this product penetrates and seals, providing an excellent foundation for subsequent coats of Guardian epoxy floor coatings. The unique, high solids formula of this product forms a sealed epoxy barrier that inhibits future corrosion. **This is a two-component product that requires 2 parts of the proper "A" component mixed with 1 part of part "B" catalyst. The components are already premeasured to the proper mix ratio. No measuring required. Do not mix partial kits.**

Limitations

- Do not apply if material, substrate or ambient temperature is below 13 °C (55 °F) or greater than 32.2 °C (90 °F). Relative humidity should be below 90%.
- Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

TECHNICAL DATA

Generic Type	Epoxy Clear Coat	Dries by	Chemical Cure
Pigment Type	Titanium Dioxide	Dry Heat Resistance	248°F (120°C)
Volume Solids	70% ± 5.0% (when mixed as recommended)	Finish	Medium Gloss
Coverage per ltr	90 – 100 Sq. Ft.at Recommended DFT	Surface Temperature at Application	Min. 15°C
Recommended Film Thickness	Wet: 100 ± 5 microns		Max. 35°C
	Dry: 60 ± 5 microns	Thinner	Surface must be dry and at least 5°C above the dew point
Induction time @ 30 °C	20 Minutes	Pot Life	Guardian Thinner for Epoxy Finish
Drying Time @ 30 °C	To Touch: 2 to 3 Hours	Storage Temperature	6 to 8 Hours @ 30 °C
	To Recoat: 16 to 24 Hours		Min. 15°C
	Full Cure: 72 Hours	Recommended Topcoats	Max. 32°C
			Guardian Two Component Polyamide Epoxy Finish
			Guardian Epoxy Flooring

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Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew and other contaminants that may adversely affect the application process.

NEW SURFACES

Steel: Sand blasting is recommended. Surfaces must be free of grit dust. The coating should be applied as soon as possible after the sand-blast in order to prevent flash rusting or surface contamination. Hand tool cleaning or power tool cleaning can be used if blasting is not possible. In areas where adequate surface preparation is not possible the use of Guardian Clear Epoxy Pre-Primer is recommended.

Concrete: All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Prime concrete with 1 coat Guardian Clear Epoxy Pre-Primer for improved adhesion qualities.

Galvanized and Non-Ferrous Metals: Solvent clean all surfaces. Apply 1 coat of Guardian Etch Primer to improve adhesion.

Previously Painted Surface: Can be applied over old thermoset finishes in good condition.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.

Application

Mix the "A" and "B" components thoroughly before mixing together. The use of a drill mixer at low speed will best accomplish this task. Add the full contents of the quart size "B" component to the "A" and thoroughly mix the two together. Allow 20 minutes induction time (at 30°C) prior to applying the mixed product to the surface. Once mixed, the paint must be consumed within 3 to 4 hours to avoid gelling. Do not apply if air or surface temperatures are below 7°C or relative humidity levels are greater than 85%, or if surface or air temperatures are within 3 degrees of the dew point. Product should be allowed to dry tack free prior to air or surface temperatures being within 3 degrees of the dew point.

Airless Spray: Apply with 0.09 tip and low pressure.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. If material begins gelling, immediately flush equipment as product has reached pot life.

It is extremely important to remember that Epoxy Coatings have a limited pot life; therefore, it is wise to make sure sufficient manpower and correct application tools are in order prior to starting the mixing sequence. Estimated pot life is: 6 Hrs. @ 30 °C

IMPORTANT TO NOTE

All epoxy coatings will chalk and fade if applied on exterior surfaces subjected to direct sunlight. All epoxies tend to yellow. Where color and gloss retention are important, top-coating will be necessary. Will stain with prolonged exposure to some solvents and chemicals. This staining will not affect the durability or protective qualities of the coating. Do not apply if material, substrate or ambient temperature is below 45°F (7.2°C). Relative humidity should be below 85%. Do not apply if rain is expected within 12 hours of application.

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)

Fresh Water	Excellent
Salt Water	Excellent
Acids	Good
Alkalis	Good
Solvents	Excellent
Fuel	Good
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Excellent
Neutral Salt Solutions	Excellent

Recommended Systems

For Concrete Floor	1st Coat: Guardian Epoxy Clear Primer
	2nd Coat: Guardian Polyamide Epoxy Finish
	3rd Coat: Guardian Polyamide Epoxy Finish
For Galvanized Metals	1st Coat: Guardian Etch Primer
	2nd Coat: Guardian Epoxy Clear Primer
	3rd Coat: Guardian Intermediate coat or Polyamide Epoxy Finish
For Aged Coatings	Use Guardian Clear Epoxy Pre-Primer as a barrier coat

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY**