



TWO COMPONENT HIGH SOLIDS SELF LEVELLING EPOXY

Features

- Self Levelling, High Build, 95% solids formula
- Low VOC
- Excellent Adhesion to Concrete
- Outstanding Durability
- Smooth Gloss Finish
- Suitable for use in areas where chemicals are treated

General Description

Self Levelling Epoxy is an easy to clean, chemical resistant and hard-wearing floor finish. For use on areas where cleanliness and high resistance to chemical spills are required. Typical areas of use include electric plants, food processing plants, hospitals, pharmaceutical plants, laboratories, corridors, public housing and public buildings. **This is a two-component product that requires 3 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.**

Recommended for

Al Khaleej High Solids Self Levelling Epoxy Floor Coating is designed for use on bare or previously coated concrete – interior floor applications only. This product will amber and chalk if exposed to ultraviolet light.

Limitations

- The floor area should be maintained at a minimum surface and ambient air temperature of 50 °F and a maximum of 100 °F throughout the entire recommended dry time
- Not intended for use on vertical surfaces. Interior floor applications only

TECHNICAL DATA

Generic Type	Two Component Epoxy	Dries by	Chemical Cure
Pigment Type	Titanium Dioxide	Dry Heat Resistance	248°F (120°C)
Volume Solids	95% ± 5.0% (when mixed as recommended)	Finish	High Gloss
Coverage per ltr	9 – 10 Sq. Ft.at Recommended DFT	Surface Temperature at Application	Min. 15°C
Recommended Film Thickness	Wet: 1.5 – 1.8 mm		Max. 35°C
	Dry: 1.0 – 1.2 mm	Thinner	Surface must be dry and at least 5°C above the dew point Do not thin
Induction time @ 30 °C	No induction required – Pour after mixing immediately	Pot Life	2 to 3 Hours @ 30 °C
Drying Time @ 30 °C	To Touch: 5 to 7 Hours	Storage Temperature	Min. 15°C
	To Recoat: 36 to 48 Hours		Max. 32°C
	Full Cure: 7 Days	Recommended Topcoats	Guardian Two Component Polyamide Epoxy Finish Guardian Epoxy Flooring

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Surface Preparation

Surface to be coated must be clean, sound and dry. Freshly poured concrete must age at least thirty days before coating. All oil, grease, release agents, curing compounds, concrete hardeners, laitance and other surface contaminants must be removed before coating. Previous paint finishes that have deteriorated need to be removed to bare concrete; previous paint finishes that are in sound condition need to be cleaned and screened to a uniform dull condition. Rinse thoroughly with clean water, per label directions. Curing compounds, concrete hardeners and previous paint finishes can be removed by chemical or mechanical methods. Pick up residue and dispose of per local, state and federal requirements. Using mechanical method, abrade or shot blast the surface until curing compound, hardener or paint is completely removed. Vacuum dust before proceeding.

After the concrete floor has been prepared and allowed to dry (measuring 5% or less with moisture meter), apply One Coat of Al Khaleej High Solids Epoxy Pre-Primer at 600-800 sq. ft. per gallon (1.5 mils) following label instructions. Do not allow to puddle. Allow at least 24 hours, but not more than 72 hours dry time before applying the High Solids Epoxy Floor Coating. If a previous paint finish, in good condition is already in place, clean and screen the finish and proceed to the High Solids Epoxy Finish.

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.

Mixing and Application Instructions

Mixing Instructions:

This is a two-component kit and is pre-proportioned for error free mixing. DO NOT vary from these instructions. Mix "A" & "B" separately.

- Carefully empty the entire contents of the activator into the can of Part A component resin; scrape the sides of the pail of Part B to make sure all liquid has been added. Part A container is oversized to completely accept entire contents of Part B material.
- Using a jiffy mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process.
- Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating.
- Do not allow to induct – use immediately after mixing.

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: 2 hours @ 77 °F (25 °C). It is advised to spread the material within 45-60 mins of mixing.

Do not thin this product – it is ready to use once both components are thoroughly mixed.

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

Application:

Component A mixed with Component B – pour the entire mixed contents of a kit in a bead of material in the form of a continuous ribbon onto the surface to be coated. The mixed material should not be left in the container because it will drastically shorten the pot life. High Solids Epoxy Finish can be applied by smooth/notched viper (which is preferable) or rolled.

VIPER APPLICATION: When using a smooth/notched blade squeegee spread the ribbon of poured material by pulling the squeegee toward the applicator and spread material at a rate not to exceed 120 square feet per gallon. Apply as evenly as possible working from left to right then back again. Do not mix less than full batch/container quantities.

ROLLER APPLICATION: Using a quality phenolic core cover, between 3/8" and 1/2" nap size, gently spread the ribbon of poured material by lightly working the material back and forth until even. Avoid overworking material; allow product to flow out and self level. Spread at a rate not to exceed 120 square feet per gallon. Avoid working back into the previously applied epoxy, particularly after ten minutes duration or color variations can occur in the lapped area. Do not mix less than full batch/container quantities. The floor area should be maintained at a minimum surface and ambient air temperature of 50 °F and a maximum of 100 °F throughout the entire recommended dry time. Do not apply if surface temperature is within 5 degrees of dew-point or if condensation or fog is expected before the product is fully dry. Not intended for use on vertical surfaces. Only Apply on Floor

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 Fresh Concrete	1st Coat: Guardian High Solids Epoxy Pre Primer 2nd Coat: Guardian High Solids Self Levelling Epoxy
For Aged Coatings	Use Direct or use Guardian Clear Epoxy Pre-Primer as a barrier coat