



K150 ULTRA KOTE

*Self-Leveling, Heavy-Duty
Industrial Flooring
Medium Gray*

1. Product Description

a. **Basic Use:** Ultra Kote Epoxy Flooring is an epoxy system used to restore worn and eroded floors to their original condition and protect them from future deterioration. Ultra Kote Epoxy Flooring may be applied on any physically sound, clean, and dry substrate including concrete, brick, terrazzo, marble, metal or wood. It may also be used to improve floor tolerances and reduce surface imperfections. It is completely immune to the corrosive action of acids and alkalis in concentrations normally found in contact with floor surfaces.

b. **Features/Benefits:**

- Contains no volatile solvents permitting interior applications with virtually no fire hazard or toxic odor.
- USDA approved as an acceptable floor resurfacing compound in processing and storage areas for meat and poultry food products.
- 100% solids epoxy system complies with VOC regulations.
- Pourable self-leveling consistency is easy-to-place without requiring special tools or equipment.
- Rapid cure time drastically reduces operational downtime and allows for exposure to light traffic in less than 16 hours at 75°F.
- Varying application thicknesses save labor installation costs by eliminating the need for workmen to return to the job site for multiple applications.
- Dense surface is easy-to-clean and resists mildew and bacteria growth.
- Epoxy and natural aggregate system is highly resistant to impact. Does not chip, flake or peel when exposed to heavy traffic.
- Produces a seamless and slip-resistant flooring surface while offering excellent protection against chemical attack.

c. **Typical Applications:** Food processing plants, bakeries, cafeterias, kitchens, slaughterhouses, supermarkets, penitentiaries, schools, universities, hospitals,

manufacturing plants, chemical processing plants, laboratories, morgues, poultry plants, breweries and bottling plants.

d. **Limitations:** Should not be used outside or where exposure to frequent freezing and thawing is possible. It is not recommended for areas at service temperatures above 140°F.

e. **Composition:** Ultra Kote Epoxy Flooring is a multi-component system consisting of 100% solids epoxy and specially graded natural aggregate.

f. **Color/Appearance:** Ultra Kote Epoxy Flooring is also available in black, red and clear.

2. Packaging

Ultra Kote Epoxy Flooring is supplied in units, each containing the proper proportions of liquid components and natural aggregate. Standard packaging information is shown below:

	<i>Unit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Filler Aggregate</i>	<i>Seeding Aggregate</i>	<i>Shipping Wt.</i>
K150-1	30 sq ft	1/2 gal.	1/2 gal.	12 lbs.	18 lbs.	42 lbs.
K150-2	60 sq ft	1 gal.	1 gal.	24 lbs.	36 lbs.	84 lbs.

3. Estimating/Coverage

The recommended coverage rate for each unit is shown below:

<i>Unit Size</i>	<i>Coverage at 1/8 in.</i>
K150-1	30 sq. ft.
K150-2	60 sq. ft.

4. Technical Data

Resistance to Solvents and Chemicals

-ACIDS-	-SOLVENTS-
Acetic (Use Diamite AC) -----NR	Acetone -----NR
Chromic -----A	Cellosolve -----NR
Citric 10% -----A	Ethyl Alcohol -----A
Hydrochloric 10% -----A	Methyl Ethyl Ketone -----NR
Hydrochloric Conc. -----D	Mineral Spirits -----A
Hydrochloric Vapor -----A	Toluene -----A
Fatty Acid -----A	Xylene -----A
Lactic 10% -----A	
Muriatic -----A	-PETROLEUM DERIVATIVES-
Nitric Below 5% -----D	Aircraft Hydraulic Fluid -----A
Nitric Above 5% -----NR	Brake Fluid -----A
Oleic -----A	Fuel Oil -----A
Phosphoric 50% -----A	Gasoline -----A
Sulphuric 10% -----A	Transmission Fluid -----A
Sulphuric 50% -----D	-MISCELLANEOUS-
Sulphuric Conc. -----NR	Animal Fats -----A
	Calcium Chloride -----A
-ALKALIS-	Detergent Solutions -----A
Ammonium Hydroxide 20% --A	Formaldehyde 37% -----NR
Ammonia Vapor -----A	Glycerine -----A
Calcium Hypochlorite -----A	Salt Solutions -----A
Caustic Cleaners -----A	Urine -----A
Sodium Hydroxide 20% -----A	Vegetable Oil -----A
Sodium Hypochlorite 5% -----A	Water -----A

Key: A-Unaffected, D-Discolored; Not Attacked, NR-Not Recommended

5. Directions For Use

a. **Preparation:** The surface to be treated must be physically sound, thoroughly clean, free of oil, wax, loose paint, rust, scale, and completely dry. New concrete must thoroughly cure for at least 28 days before starting surface preparation. Base concrete must be mechanically abraded by shotblasting or thoroughly etched with K19 Take-Off. All acid-etched concrete surfaces must be rinsed and neutralized with potable water and allowed to completely dry.

b. **Mixing:** Thorough blending of all components is essential. First, mix the binder separately; then mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Ultra Kote Epoxy Flooring. Let stand for two minutes and blend again for one additional minute.

c. **Filler Aggregate Mixing:** After the liquid components are thoroughly mixed, add the specially graded filler aggregates into the mixed epoxy liquid. Note: Do not add any aggregate into binder or activator that has not been properly proportioned and mixed.

d. **Epoxy and Filler Application:** After the substrate has been primed, distribute the mixed epoxy compound onto the area to be overlaid. At the normal thickness of about 1/8 in. Extreme care should be exercised to leave the surface free of ridges and other imperfections.

e. **Optional Non-Slip Application:** After the mixed epoxy levels into place, but before it hardens, sprinkle the seeding aggregate (packaged separately) uniformly. Avoid heavy accumulations of aggregate in one spot. Broadcast it lightly, tossing it up rather than down so that it descends like rain. Continue until an excess of dry aggregate remains standing on the surface.

f. **Cure Time:** Ultra Kote Epoxy Flooring will harden in 8 hours at 70°F but must be protected from moisture and traffic for at least 18 hours.

g. **Clean Up:** Either Solvents, Degreasers or Concentrates and warm water may be used for cleaning tools and equipment.

h. **Maintenance:** Ultra Kote Epoxy Flooring surfaces should be cleaned with a K2 Brute Concentrate and water solution.

6. Warranty

Ultra Kote Epoxy Flooring is manufactured in strict accordance with quality control standards. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.