



TK-EPOXY COLOR SYSTEM VOC

Colored Epoxy Floor Coating

PRODUCT DESCRIPTION

TK-EPOXY COLOR SYSTEM VOC is a two-component, high gloss, colored epoxy coating for use on concrete, wood or metal in areas subjected to heavy traffic, abrasion, and/or chemical attack.

Features:

- Forms a tough, high strength coating that is resistant to abrasion from heavy traffic and is unaffected by rubber burns.
- Resistant to damage caused by exposure to alkalis, solvents, acids, salt solutions and water, fats, oils and fuels.
- Formulated with resins which work as an adhesive within the slab, strengthening it around minor cracks, crevices and weak spots.
- Adheres to the surface and forms an inseparable bond that is chip and peel resistant.
- Low maintenance, high-gloss finish is smooth, durable and easy to clean.

USES:

Suitable for interior use on concrete, wood or metal surfaces subjected to heavy traffic or chemical/corrosive attack, or for areas in which a glossy, attractive and durable coating is desired. Ideal applications include: industrial facilities, warehousing, paper mills, automotive garages, canneries, packing plants, aircraft hangars, wastewater treatment facilities and farm buildings.

APPLICATION PROCEDURES:

PREPARATION:

Surfaces must be clean and free of grease, wax, oil, loose paint and wax or resin-base sealing compounds. Vacuum to remove any dust or dirt on the surface. While mechanical abrasion or shot blasting is the preferred method of surface preparation, acid etching followed by thorough repeated rinsings may also be used on smaller areas. The substrate must be absolutely dry at the time of application. To test for sufficient dryness, place a rubber mat or tape a piece of plastic onto the surface and let stand for at least 12 hours. If moisture forms on the underside of the mat/plastic, ventilate the area and retest until no moisture collect underneath.

New Concrete Preparation: New concrete should be cured using TK-DC WB DISSIPATING CURING COMPOUND 2519* or by water curing for a minimum of 7 days as either of these methods will leave the floor open to acid etching and application later.

Existing Concrete Preparation: Holes, cracks and spalled or weak areas should be patched using TK-COMPLETE CONCRETE PATCH*.

TECHNICAL DATA

Composition and Materials:	Part A - a solution of epoxies and pigments in an aromatic solvent system. Part B - a solution of polyamide and amine resins in an aromatic/exempt solvent blend.
Pot Life:	4-6 hours (at 60°F)
Flash Point:	40°F (TCC)
VOC Content:	< 400 g/l
A.I.M. Category:	Floor Coatings Maximum VOC 400 g/l
Applicable Standards:	<ul style="list-style-type: none"> -Recommended for use on Class 1,2,3 and 4 concrete floors as classified in ACI Standard 302-69 - USDA authorization for use in meat and poultry processing facilities

MIXING:

Application and mixing procedures must be followed precisely as exact measurement and blending are imperative. Gather all materials, tools and equipment that will be needed for application prior to mixing.

Mixing Procedures:

1) Stir components "A" and "B" individually. Use separate containers for each component as dipping one container into the other can cause a partial catalytic reaction which may affect the quality of the coating or may cause gelation in the can.

2) Combine together equal parts of components "A" and "B" by volume (not weight) and only in quantities that can be used within the pot life of the material.

3) Stir well and allow to stand for 30 minutes. Stir again prior to using.

APPLICATION:

Apply with a brush or roller, spreading uniformly. Prevent lap marks by maintaining a wet edge, making use of natural breaks as stopping points, and ensuring there is plenty of paint on the roller at all times. If additional coats are to be applied it is strongly advised to "cross hatch" - or apply at a 90° angle - to the previous coat in order to prevent lap marks and thick/thin spots. Re-roll any puddles or sparsely covered areas.

Spray application using a conventional or airless sprayer (equipped with neoprene hose and gaskets) is possible but should be attempted by a professional applicator only. Thin with TK-99 SUPER SOLVENT* to spraying consistency and apply using conventional spray techniques.

A non-skid finish may be achieved by integrating one container of TK-TRI GRIP SYNTHETIC AGGREGATE* into one mixed 5-gallon pail of this product. Back roll to spread the mixture evenly across the surface.

A second coat of TK-EPOXY COLOR SYSTEM VOC is recommended for all applications and should be applied as soon as the first coat is tack free and does not mar under foot pressure.

COVERAGE:

Surface	Coverage
Smooth Surfaces:	300-350 sq.ft./gal
Rough Finished Surfaces	200-250 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

DRYING TIME*:

At 72°F, the first coat will be dry to touch in approximately 2-3 hours. The surface will be ready for foot traffic in 6-8 hours and ready for heavy traffic within 36 hours. Final cure (complete resistance to chemical attack) requires approximately one week. Auxiliary heat may be used to speed drying time.

* Drying and curing times are dependent upon temperature. Higher temperatures will result in faster drying and cure times.

CLEAN UP:

Clean tools, equipment and spills with TK-99 SUPER SOLVENT* before the material dries.

LIMITATIONS:

- Concrete must be a minimum of 28 days old to allow moisture within the slab to properly dissipate. Application may be made sooner following specifications by TK Products only. If questionable, moisture content should be checked before applying this product.
- Do not apply if temperatures are below 60°F as this is vital to drying and curing times.
- The pot life of this product is affected by temperature. Higher temperatures will result in shorter pot life.
- Do not apply over surfaces that are frozen, structurally unsound or where water or water vapor is being transmitted through the concrete.
- Use care in the application of this product as tracking, slops and spills are very difficult to remove once the coating has dried.

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-EPOXY COLOR SYSTEM VOC is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in clear and standard colors as well as black, white and OSHA yellow.

Packaged in 10-gallon kit, 2-gallon kit and 1/2 gallon kit units.

FOR PROFESSIONAL USE ONLY

NOTES:

*TK-DC WB DISSIPATING CURING COMPOUND 2519 must be purchased separately

*TK-COMPLETE CONCRETE PATCH must be purchased separately

*TK-99 SUPER SOLVENT must be purchased separately

*TK-TRI-GRIP SYNTHETIC AGGREGATE must be purchased separately

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