

PRODUCT DATA



TOLEDO FLOOR RESURFACING, INC.

TFR K-NOV

USES:

TFR K-NOVALAC is an acid and chemical resistant, industrial strength, epoxy coating. The Epoxy Novalac top coat provides superior resistance to acid and chemical spillages and corrosive attack.

Toledo Floor Resurfacing's advanced formulation provides superior defense against inorganic and organic acids, in addition to corrosive chemicals. Epoxy Novalac extends the life expectancy of concrete exposed to harsh acid and chemical spills.

Applications are appropriate for waste water treatment plants, battery acid areas, chemical plants, food and beverage plants.

PRODUCT DESCRIPTION:

TFR K-NOV is a two component, hi-build, hi-solids, acid resistant, industrial epoxy coating system composed of:

PRIMER: Two component Novalac acid resistant primer yielding adhesion to concrete.

TFR K-NOV: Two component hi-build, Novalac acid resistant epoxy coating.

PHYSICAL PROPERTIES:

% Total Solids	- 98%
Service Time @ 77° F	- 10-12 hours
Gloss 60°	- 90+
Coverage	- At 10 mils coverage is 150 sq. ft./gallon

ACID CHEMICAL RESISTANT GUIDE

The following results are based on 21 day immersions.

R=Resistant L=Limited Resistance
NR=Not Recommended

Ammonia 25%	R
Aromatic Hydrocarbons	R
Butanol	R
Citric Acid	R-L
Cyclohexane	R
Ethylene Glycol	R
Hydrochloric Acid 35%	R
Jet Fuel	R
Kerosene	R
Methylene Chloride	NR
MIBK	R
Nitric Acid 25%	R
Petrol	R
Phosphoric Acid 25%	R
Potassium Hydroxide	R
Sulfuric Acid 98%	R
Waste Water, Sewage	R-L
Xylene	R

Toledo Floor Resurfacing Epoxy K-NOV Coating Systems are available in twenty standard colors.

SPECIFICATIONS



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PART 1 GENERAL

1) Qualifications

A. Contractor skilled and regularly engaging in manufacturing and installation of epoxy polymer flooring systems of similar size and nature for the past five years.

2) Job Provisions

A. Concrete (standard six-bag mix) shall have a 28-30 day cure. Quick cure additives (High Early) may be used for a 5-10 day cure. Do not use a sealer on new concrete. Concrete shall have a rough, broom finish.

B. Utilities, air, electric, water, heat 50°-70°F (air), 50°F or greater (concrete) to be furnished by contractor or user.

C. Dock for unloading of material and equipment and disposal dumpster for non-toxic dust to be provided by contractor or user.

3) Guarantee

A. With Toledo Floor Resurfacing's installation, workmanship and adhesion are guaranteed as specified.

PART 2 INSTALLATION

1) Surface Preparation

All areas are mechanically steel shot blasted and/or stone ground to remove all dirt, grease, loose and fatigued concrete; opening the pores of concrete to accept primer.

2) Surface Priming

All expansion joints are filled with an epoxy filler, as needed. Before priming, the entire floor and surrounding area is swept; then magnetically broomed to remove all shot and debris. A squeegee coat of 100% solids epoxy shall be applied at the amount of 150 square feet per gallon.

3) Coating

A hi-build, hi-solids, acid and chemical resistant, pigmented, epoxy coating is applied at 12-15 mils thickness per coat; using a roller or squeegee, backrolling the surface layer to provide a uniform density. The top coat will facilitate easier cleaning and maintenance of entire system.

CLEANING RECOMMENDATIONS



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PART 3 CLEANING RECOMMENDATIONS

TFR products are formulated for long wearability and low maintenance. Periodic cleaning is recommended to maintain the aesthetics of the system.

INITIAL - AFTER CURE

Immediately after application, it is important to keep traffic and debris off the surface until the coating is fully cured (8-12 hours @ 77° F, unless otherwise stated by the manufacturer).

MAINTENANCE

Epoxy Coatings - For cleaning: Warm water and a mild standard industrial detergent works well as a solution. For hi-builds, a squeegee or power scrubber (rider or walk behind) is recommended. If you have a slip resistant floor, a soft bristle scrub (push broom or light weight power scrubber) is recommended.

DO NOT - Use solvents, lacquer thinners or alcohols as cleaning solutions. They may discolor and deteriorate the coatings physical and chemical properties.

DO NOT - Leave cleaning solutions or water puddled on floor, especially on fresh coating (3-7 days), as discoloration may occur.

DO - Follow Detergent Manufacturers Cleaning Instructions.

SPECIAL PROCEDURES FOR STATIC CONTROL:

Use as needed if static electricity occurs.

*Floor system must cure minimum of 24 hours prior to any of the following:

1. Use a linen or cotton mop; apply clear, clean water, at ambient temperature; to the floor.
2. Allow water to remain on floor approximately 6-10 minutes.
3. Remove water with mop, squeegee or power vacuum.

Caution: Only treat areas where the water can be completely removed after the 6-10 minute time interval. If water is left longer than the 6-10 minute interval, discoloration may occur.

If you have additional questions call Toledo Floor Resurfacing, Inc. at 1-800-839-6446.