

# PRODUCT DATA



TOLEDO FLOOR RESURFACING, INC.

## TFR K-SATIN

### USES:

TFR K-SATIN is an industrial strength, 98% solids, semi-gloss, epoxy coating. Typical use areas are heavy traffic aisles, work areas, assembly areas where some amount of texture is desired. The textured surface remains cleanable and easily maintained.

### PRODUCT DESCRIPTION:

TFR K-Satin is a two component, hi-solids industrial epoxy coating system composed of:

**PRIMER:** Two component epoxy primer yielding adhesion to concrete.

**TFR K-SATIN:** Two component, slightly textured, epoxy coating. Applied to yield a semi-gloss, orange peel like, textured finish.

### PHYSICAL PROPERTIES:

% Total Solids	-	98%
Service Time @ 77° F	-	8 hours
Coverage	-	At 6-8 mils coverage is 200 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%	L
Aromatic Hydrocarbons	L
Butanol	NR
Chromic Acid 40%	NR
Citric Acid	NR
Cyclohexane	NR
Ethylene Glycol	NR
Hydrochloric Acid 20%	L
Jet Fuel	L
Kerosene	L
Methylene Chloride	NR
MIBK	NR
Nitric Acid 5%	NR
Phosphoric Acid 5%	NR
Potassium Hydroxide	L
Sulfuric Acid 20%	R
Waste Water, Sewage	NR
Xylene	R

Toledo Floor Resurfacing Epoxy K-Satin Coatings are available in twenty standard colors.

### STATIC COEFFICIENT OF FRICTION

Test Method: ASTM D-2047 James Machine

Sample ID	Dry	Wet <sup>1</sup>	Oily	Oily Wet
<b>Standard Neolite</b>	0.90	0.84	N/A	N/A
<b>Commercial Neolite</b>	0.95	0.68	N/A	N/A
<b>Leather</b>	0.52	N/A	N/A	N/A

# SPECIFICATIONS



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## TFR K-SATIN

### 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 scarified to remove all dirt, grease, loose and fatigued concrete; opening the pores of concrete to accept primer, fill material and overlayment.

#### 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 98% solids epoxy shall be applied at the amount of 200 square feet per gallon.

#### 3) Coating

A hi-solids, slightly textured, pigmented epoxy coating is applied 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.