RUST-OLEUM®

6000 SYSTEM
WATER-BASED EPOXY

DESCRIPTION AND USES

A two-component water-based epoxy coating for application to concrete floors. Combines the performance of solvent-based epoxies with the convenience of water-based coatings.

This coating is designed as a moderate duty floor coating. It resists heavy foot and occasional traffic of lightweight rubber-wheeled vehicles, such as handcarts and forklift trucks, as well as intermittent mild chemical spills, occasional steam, water and chemical cleaning and high humidity and moisture. As a water-based coating, it offers soap and water cleanup, low odor and low risk of flammability.

PRODUCTS

6010	Clear
6082	Silver Gray
6001	Activator
6068	Tile Red
6086	Navy Gray
6071	Dunes Tan
6092	White

PACKAGING

Short-filled 1 gallon containers to allow for addition of 1 pint containers of 6001 activator.

APPEARANCE

High-gloss finish.

PRODUCT APPLICATION

SURFACE PREPARATION

NEW, UNCOATED CONCRETE: Remove oil, dirt, grease and other chemical contaminants by cleaning with 3599 Industrial Pure Strength® Cleaner/Degreaser, detergent, or other suitable cleaner. Rinse with water. Etch concrete with 108 Cleaning & Etching Solution. Rinse thoroughly and immediately, and allow to dry. After acid etching the concrete should have a surface profile that resembles fine grit sandpaper. If not, repeat the process. New concrete should be allowed to cure for 30 days before application of any coating. If there is any doubt about the dryness of the concrete, conduct a test by simply placing a weighted rubber mat, plastic sheet or other non-porous material on the surface for 24 hours. Check the underside of the mat and concrete for signs of moisture. The substrate will be darker if damp. If moisture is found, allow additional drying time (10-14 days) and repeat test. If moisture persists concrete surface cannot be coated. Very dense, non-porous or chemically treated concrete may require shotblasting to assure proper coating adhesion. Determine porosity by pouring one ounce of water onto the concrete. If water soaks in, the surface is porous enough for coating. If water beads up on the concrete, the surface is not porous and treatment is warranted. The presence of laitance (fine white particles) will also require shot blasting or abrading to assure removal.

PREVIOUSLY COATED: Remove loose dirt, dust and previous coating by sweeping or vacuum concrete cleaning. Remove grease, oil, floor compound or wax as indicated above under **new, uncoated concrete**. Very glossy or hard coatings should be lightly sanded to insure maximum adhesion. The floor system will not lift most previous coatings. Concrete floor areas which require patching should be free of dirt, oil, grease and other chemical contaminants as indicated above under **new, uncoated concrete**. Loose concrete and deteriorated previous paint must be removed. The 5499 Concrete Patching Compound can then be trowel applied and allowed to cure four hours before applying a coating.

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PRODUCT APPLICATION (cont.)

MIXING

Premix base component to re-disperse settled pigment before adding the 6001 Activator. Mix in one pint of activator to the short filled base component and allow thematerial to set for 30 minutes before using.

APPLICATION

Apply only when air and surface temperatures are between 60-100°F (15-38°C), surface is at least 5°F above the dew point and relative humidity is below 85% during and after application. Apply by roller using a good quality 1/4" synthetic nap cover. On new or uncoated concrete, two coats of product should be applied. The first coat should be thinned 20% with water to assure penetration into the concrete surface. The first coat may be spread out using a rubber squeegee, then back roll to smooth out the finish. Apply the second coat by roller. Recoat previously coated floors by roller only. This coating can tolerate application to damp surfaces; however, conditions must be favorable to allow the moisture to evaporate. Applications done at low humidity conditions (less than 15%) may result in lower initial gloss; however, this will not negatively affect performance. Allow coated floor to cure 7 days before mopping or washing. Use 200 Anti-Skid Floor Coating Additive for skid resistance where oil or water spillage is a problem.

CLEAN-UP

Soap and water. Once coating begins to cure, 160 Thinner or MEK may be required.

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PHYSICAL PROPERTIES

Resin Type		Polyamine Epoxy
Pigment Type		Varies
Solvents		Water, propoxyethanol, aromatic hydrocarbons
Weight*	**Per Gallon**	10-11 lbs.
	Per Liter	—
Solids*	**By Weight**	37-55%
	By Volume	33-37%
Volatile Organic Compounds*		<250 g./l. (2.08 lbs./gal.)
pH		7.8-8.9
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils
Wet Film to Achieve DFT		4.0-6.5 mils
Theoretical Coverage at 1 mil DFT (25µ)		500-600 sq. ft./gal.
Practical Coverage at Recommended DFT (assumes 15% material loss)		200-350 sq.ft./gal.
Mixing Ratio		7:1 base to activator
Induction Period		30 minutes
Pot Life @ 70-80°F & 50% RH		6-8 hours
Dry Times at 70-80°F (21-27°C) and 50% Rel. Hum.	**Recoat**	1-2 hours
	Light traffic	16 hours
	Vehicle traffic	72 hours
Dry Heat Resistance		300°F
Shelf Life		5 years
Safety Information	**Flash Point**	>205°F (96°C)
	Contains	—
	Warning!	**CAUTION. COMBUSTIBLE. MAY CAUSE IRRITATION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. REFER TO MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL FOR ADDITIONAL SAFETY INFORMATION.**

*Activated material.

Calculated values are shown and may vary slightly from the actual manufactured material.

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RUST-OLEUM®
INDUSTRIAL BRANDS

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