EPOXY	TECHNICAL DATA	CS-79

RUST-OLEUM®

CONCRETE SAVER®
HARD SURFACE PRIMER

DESCRIPTION AND USES

Concrete Saver® Hard Surface Primer is a two component, water-based epoxy primer designed to improve the adhesion of floor coatings over difficult to coat, or marginally prepared substrates. Substrates include, hard-troweled concrete, aluminum and various types of tiles. Hard Surface Primer can be top coated with most types of floor coating technologies including acrylic, epoxies and polyurethanes.

PRODUCT FEATURES AND BENEFITS

- Alternative to traditional mechanical and chemical surface preparation
- Excellent as a primer/basecoat for warehouse line striping, zone marking, solid color and decorative floor coatings including metallic systems
- Can be top coated after 5 hours and before 7 days without sanding
- Compatible with most floor coating technologies
- VOC compliant nationwide

PRODUCTS

SKU	DESCRIPTION (120 fl. oz. Kit)
313973	Flat Gray
353861	Flat Black
353892	Flat White
353859	Flat Silver Gray
353860	Flat Dunes Tan

NOTE: Kits contain Base and Activator.

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

New concrete should be allowed to cure for 30 days before application of any coating. Remove oil, dirt, grease and other chemical contaminants by cleaning with Krud Kutter® Pro Concentrated Cleaner Degreaser, detergent or other suitable cleaner and rinse with fresh water. Existing coatings should be well bonded and sound.

Previously coated floors need to be in good condition with proper adhesion to the concrete substrate. Check the adhesion of the previous coating by cutting a small X in the coating using a sharp razor knife. Firmly apply a piece of 5cm (2") duct tape over the center of the X cut; then pull off with a fast snap. The coating is suitable to topcoat if no significant previous coating is removed beyond the X cut. If the coating fails this test, additional surface preparation is required.

PRODUCT APPLICATION (cont.)

MIXING

Combine the base and activator components. Power mix the material using a 3" Jiffler Mixer or Hanson Plunge Mixer. Mix at 500-750 rpm for 2-3 minutes, making sure a uniform color is achieved. Do not delay the application. The useable pot life is 45 minutes. Do not mix more material than you plan to use within the listed pot life.

NOTE: It is not unusual for a soft settle of the base component to occur. Adequately power mix the base component separately to fully reincorporate the material prior to combining with the activator.

APPLICATION

Apply only when air and surface temperatures are between 10-29°C (50-85ºF) with the surface is at least 3°C (5ºF) above the dew point and the relative humidity is below 85% during and after application. Use a good quality, lint free10 mm (⅜") nap roller with a phenolic core. A brush may be used for cutting in along walls. Avoid excessive film thickness.

DRY AND RECOAT TIMES

The coated floor will be ready for foot traffic in 4-6 hours. Allow 5 hours prior to application of the desired finish coat. The finish coat must be applied within 7 days.

COVERAGE

Approximately 250-350 square feet per activated gallon.

CLEAN-UP

Tools and equipment should be washed in warm soapy water before the product starts to cure. Accidental splashes of components prior to mixing can only be removed with MEK.

Form: ARJ-2058
Rev.: 041620

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PHYSICAL PROPERTIES

		HARD SURFACE PRIMER
Resin Type		2-Component Water-based Epoxy
Pigment Type		Titanium Dioxide, Carbon Black
Solvents		Water
Weight*	**Per Gallon**	11.9 lbs.
	Per Liter	1.43 kg
Solids*	**By Weight**	67%
	By Volume	53%
Volatile Organic Compounds*		0 g/l
Mixing Ratio		4:1 base to activator by volume
Induction Period		None required
Pot Life		45 minutes
Recommended Dry Film Thickness (DFT) Per Coat		2.0-3.0 mils (50-75µ)
Wet Film to Achieve DFT (unthinned material)		4.0-6.0 mils (100-150µ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		Approximately 250-350 sq.ft./gal. (6.2-8.6 m^2/l)
Dry Times at 21°C (70ºF) and 50% Relative Humidity	**Foot Traffic**	4-6 hours depending on the porosity of the substrate
	Apply Finish Coat	After 5 hours and before 7 days
	Full Cure	7 days
Shelf Life		2 years (unopened containers)
Safety Information		For additional information, see SDS

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

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