RUST-OLEUM®

CONCRETE SAVER® HEAVY METAL DECORATIVE FLOOR COATING

DESCRIPTION AND USES

Heavy Metal is a two component, metallic pigmented floor coating using Polycuramine® resin technology. This coating produces a durable high gloss finish with a metalized appearance. The coating is suitable for interior applications only.

For best finish appearance, Heavy Metal should be applied over a black base coat. FastKote Black is commonly used, but it is not the required black finish.

Note: This coating may also be applied as an opaque coating, rather than a metallic finish, by using the Polyurea Universal Tints. In place of the metallic Color Additive, tint the activated material 12% by volume with the selected tint color to achieve proper hiding.

PRODUCTS

SKU	DESCRIPTION (High Gloss)
280952	Part A (Full 1 gallon container)
280954	Part B (Full l2 gallon container)
280926	Earth Brown Color Additive (Plastic jar, 12 oz. fill)
280927	Blue Sky Color Additive (Plastic jar, 12 oz. fill)
280928	Silver Bullet Color Additive (Plastic jar, 12 oz. fill)
280929	Copper Pot Color Additive (Plastic jar, 12 oz. fill)

RECOMMENDED BASECOATS

SKU	DESCRIPTION
280971	FastKote UV Black
353861	Hard Surface Primer Black
276670	9100 System Black

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

The concrete surface must be free of all dirt, grease, oil, fats, and other contamination. Remove surface contamination by cleaning with Krud Kutter® Original Cleaner Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

NEW, UNCOATED CONCRETE: New concrete must be allowed to cure for a minimum of 30 days before application. In addition to the aforementioned cleaning, the concrete must be further prepared by mechanical grinding or acid etch to remove all laitance and produce a suitable surface profile.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

PREVIOUSLY COATED CONCRETE: Previously coated concrete must be in good sound condition with the existing coating tightly adhering to the concrete. In addition to the aforementioned cleaning the existing coating must be sanded to dull the finish and produce a slight surface profile. Remove all sanding dust by vacuum.

MIXING

All components should be pre-conditioned to a minimum of 70º F (21ºC) prior to use.

Thoroughly mix the base and activator components separately before combining.

Pour the Base and Activator components together in a clean, dry five gallon container and power mix at 500-700 rpm for a minimum of two minutes. Do not entrain air into the mixing.

Add one jar of selected Color Additive and continue to mix for 1-2 minutes.

If using less than a full container, combine the components at a ratio of 2 parts of Part A to 1 part of Part B. Add 4oz of Color Additive per activated gallon of material.

APPLICATION

Apply only when air, material and floor temperatures are between 40 - 90°F (4.5 - 32°C). Do not apply in direct sunlight or when temperature is rising.

Immediately after mixing, pour the material onto the floor in a long, 8 to 12 inch wide stripe. Avoid pouring material over control joints or expansion joints.

NOTE: Do not scrape the sides or bottom of the container. Use only the material that flows naturally out of the container. Also, do not turn the container upside down and leave on the floor to drain. Doing so may result with unactivated material from the sidewall of the container being applied. This will cause soft spots in the coating.

Use a rubber squeegee to spread the material out and achieve the 90-100 sq ft / gal spread rate. Back roll the material smooth using a 3/8" lint free roller with a phenolic core to smooth out the finish.

A popular finish option, after back rolling is completed, is to make 1-2 foot diameter swirls in the finish by place the roller on the fresh coating and rotating it in a circular motion. Continue making swirls until the entire area of coated floor is completed. This swirling motion will establish a random distribution of the metallic pigment and produce a unique finish to the floor.

Form: CFFS-12
Rev.: 111921

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PRODUCT APPLICATION (cont.)

THINNING

None required.

CLEAN-UP

Methyl Ethyl Ketone

EQUIPMENT RECOMMENDATIONS

ROLLER: Use a high quality ⅜ inch lint-free roller with a phenolic core.

BRUSH: Use a disposable natural fiber chip brush, 2-4 inch wide for cut in work.

PERFORMANCE CHARACTERISTICS

HARDNESS, SHORE D

METHOD: ASTM D2240
TYPICAL VALUE: 90

GLOSS

METHOD: ASTM D523 @ 60°
TYPICAL VALUE: 90

ABRASION RESISTANCE

METHOD: ASTM D4060, CS-17 Wheel, 1,000 g load, 1,000 cycles
TYPICAL VALUE: 40

CHEMICAL RESISTANCE

CHEMICAL	RESULT
Acetic Acid 100%	R
Acetone	R
Ammonium Hydroxide 50%	RC
Benzene	RC
Brine saturated H2O	RC
Chlorinated H2O	R
Clorox(10%) H2O	R
Diesel fuel	R
Gasoline	R
Gasoline/5% MTBE	R
Gasoline/5% Methanol	R
Hydrochloric Acid 20%	R
Hydrofluoric Acid 10%	RC
Hydraulic fluid (oil)	RC
Isopropyl Alcohol	R
Jet Fuel (JP-4)	R
Lactic Acid	RC
MEK	RC
Methanol	R
Methylene Chloride	C
Mineral Spirits	R
Motor Oil	R
MTBE	C
Muriatic Acid 10%	R
NaCl/H2O 10%	R
Nitric Acid 20%	RC
Phosphoric Acid 10%	RC
Phosphoric Acid 50%	NR
Potassium Hydroxide 10%	R
Potassium Hydroxide 20%	R, Dis
Propylene Carbonate	R
Skydrol	C
Sodium Hydroxide 25%	R
Sodium Hydroxide 50%	R
Sodium Hypchlorite 10%	R
Sodium Bicarbonate	R
Stearic Acid	R
Sugar/H20	R
Sulfuric Acid 10%	R
Sulfuric Acid >50%	R
Toluene	R
1, 1,1-Trichlorethane	C
Trisodium Phosphate	R
Vinegar/H2O 5%	R
H2O	R
H2O 14 days at 82°C	R
Xylene	R

Chemical Resistance: Chart Key

R=recommended/little or no visible damage
RC=recommended conditional/some effect, swelling or discoloration
C=Conditional/Cracking-wash within one hour of spillage to avoid affects
NR=Not recommended
Dis=discolorative

POLYUREA	TECHNICAL DATA	CS-51

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PHYSICAL PROPERTIES

		HEAVY METAL DECORATIVE FLOOR COATING
Resin Type		Cycloaliphatic Hybrid
Weight	**Per Gallon**	9.3 lbs/gal
	Per Liter	1.1 kg/l
Solids by Volume		96%
Volatile Organic Compounds		<10 g/l**
Mixing Ratio		2:1 (Part A:Part B)
Induction Time		None required
Pot Life		45 minutes
Practical Coverage Rate		90-100 sq. ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times @ 70-80ºF (21-27°C) and 50% Relative Humidity†	**Recoat**	12 hours – 7 days*
	Light Traffic	12-16 hours
	Full Traffic	24 hours
Shelf Life		5 years
Safety Information		See SDS

Calculated values are shown and may vary slightly from the actual manufactured material.
† Cooler temperatures may slow cure times.
* If the 7 day recoat time has elapsed, the coating must be sanded and solvent wiped prior to recoating
** Calculated Applied VOC