RUST-OLEUM®

FASTKOTE® UV

DESCRIPTION AND USES

FastKote® UV is a high gloss, UV stable aliphatic polyurea floor coating for use in industrial and commercial facilities. Suitable for both interior and exterior applications.

FastKote UV complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

PRODUCTS

SKU	DESCRIPTION (High Gloss)
277499	Clear
278478	Gray
278493	Tan
278494	Super Light Gray
278270	Safety Yellow

PACKAGING

FastKote UV is packaged in a carton containing a re-sealable flexible pouch and a container of Stabilizer/Tint.

Clear contains: 120 fl oz in pouch and 8 fl oz Stabilizer/Tint yields 1 full gallon
Colors contains: 120 fl oz in pouch and 22 fl oz Stabilizer/Tint yields 1.1 gallons

RECOMMENDED PRIMER

FastKote can be applied direct to properly prepared concrete or used over one of the following primers. If there is a moisture issue with the floor, then it must be primed with one of the TVB Primers.

- Hard Surface Primer
- S6511 Penetrating Prime & Seal Primer
- TVB Water Based Topside Vapor Barrier
- TVB 100% Solids Topside Vapor Barrier
- TurboPrime™
- ECO Prime™

COMPANION PRODUCT

- 280945 Durability Additive

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

CONCRETE REPAIR

All spalls and cracks must be chased out and repaired to ICRI standards using an appropriate Concrete Saver patching material.

SURFACE PREPARATION

The concrete surface must be free of all dirt, grease, oil, fats, and other contamination (SSPC-SP1). Remove surface contamination by cleaning with Krud Kutter® Cleaner Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

NEW CONCRETE: New concrete should be allowed to cure for a minimum of 30 days. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 3 lb. per 1000 sq. ft. over a 24 hour period as measured by calcium chloride test method ASTM F-1869. The preferred method of surface preparation is to mechanically abrade the floor by diamond grinding to achieve a final 80–120 grit finish, reference profile CSP-2 according to ICRI.

PREVIOUSLY COATED: 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. Do not wipe the floor with denatured alcohol or other solvent. If wiping is necessary, use only urethane grade Methyl Ethyl Ketone (MEK).

MIXING

Important: Hand mixing will produce inconsistent results and is not an approved method.

Both components and environment should be pre conditioned to a minimum of 50º F (10º C) prior to use. Be sure the air and surface temperatures are at least 5º above the dew point. FastKote UV is moisture sensitive, so be sure the outside of the flexible pouch is dry and free of condensation.

Shake the container of Stabilized/Tint for one full minute before combining with the FastKote UV. Cut off the top of the flexible pouch above the zip lock seal to open. The components can be mixed in a separate container or mixed in the pouch. If mixing in the pouch, use care to ensure not damaging the pouch or getting it wrapped around the mixer shaft. After combining the components, power mix at 500-700 rpm for 2-3 minutes. Use an appropriate size mixer and use care to not entrain air into the coating while mixing. Once mixed, the material has a 6 month shelf life.

APPLICATION

Apply only when air, material and floor temperatures are between 50-90°F (10-32°C) and the surface temperature is at least 5°F (3°C) above the dew point. The relative humidity should not be greater than 85%. Do not apply in direct sunlight or when temperature is rising. Be sure the substrate is completely dry.

If coating over a smooth surface or previously coated surface, add 1 bag of the Durability Additive to optimize finish appearance. This will result with a slightly lower gloss.

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PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

Pour out only the amount of material to be used into a roller pan. Unused material can be saved in the pouch or the mixing container for up to 6 months provided it is properly sealed. Do not return unused material from the roller pan to the pouch or mixing container.

Use a ⅜ inch, lint free roller with a phenolic core to roll out the coating. Begin with rolling out a W or M pattern, then cross roll to fill in and smooth out the coating.

NOTE: The Safety Yellow will require a two coat application to achieve optimum hide.

THINNING

None required

CLEAN-UP

Methyl Ethyl Ketone (MEK).

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

COMPRESSIVE STRENGTH
METHOD: ASTM C695
RESULT: 12,000

TENSILE STRENGTH
METHOD: ASTM D412
RESULT: 5,000

ELONGATION
METHOD: ASTM D14
RESULT: 75

COEFFICIENT OF FRICTION
METHOD: ASTM D1894
(When combined with a bag of Durability Additive)
RESULT: 0.69 Wet and 0.80 Dry

HARDNESS, SHORE D
METHOD: ASTM D2240
RESULT: 84

GLOSS
METHOD: ASTM D523 @60°
RESULT: 91+

ABRASION RESISTANCE
METHOD: ASTM 4060
CS 17 Wheel, 1,000 g load, 1,000 cycles
RESULT: 43

CHEMICAL RESISTANCE

CHEMICAL	RESULT
Acetic Acid 100%	RC
Acetone	R
Ammonium Hydroxide 50%	RC
Benzene	RC
Brake Fluid	RC
Brine saturated H2O	R
Chlorinated H2O	R
Clorox(10%) H2O	R
Diesel fuel	RC
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	RC
Skydrol	RC
Sodium Hydroxide 25%	R
Sodium Hydroxide 50%	R, Dis
Sodium Hypchlorite 10%	RC
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 14 days at 82°C	R
Xylene	NR

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=Discoloration

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PHYSICAL PROPERTIES

		FASTKOTE UV
Resin Type		Aliphatic Polyurea
Weight	**Per Gallon**	10.0 lbs./gal. Clear (finish colors are slightly higher and varies with color)
	Per Liter	1.2 kg Clear (finish colors are slightly higher and varies with color)
Solids By Volume		90%
Volatile Organic Compounds		<50 g/l*
Practical Coverage Rate		400 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times @ 72ºF @ 50% Relative Humidity†	**Recoat****	4-12 hours***
	Light traffic	4-6 hours
	Full traffic	24 hours
Shelf Life		18 months unopened 6 months once the Stabilizer/Tint has been added
Safety Information		See SDS

Calculated values are shown and may vary slightly from the actual manufactured material.
† Dry times will be increase if temperatures are less than 65º F (18ºC) and /or Relative Humidity is less than 50%.
* Calculated applied VOC
** As temperature, humidity, and dew points rise, re-coat windows are drastically shortened. Please contact Tech Service for recommended installation practices.
*** If 12 hour recoat time has elapsed, the coating must be sanded prior to recoating.