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

277499	Clear
278478	Gray
278493	Tan
278494	Super Light Gray
278270	Safety Yellow
280971	Black

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.

- 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

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

APPEARANCE

High gloss

PRODUCT APPLICATION

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. Remove surface contamination by cleaning with Pure Strength® 3599 Industrial Cleaner/Degreaser, detergent, or other suitable cleaner. Rinse thoroughly with clean, fresh water and allowed to dry.

Note: The substrate must be completely dry prior to application of FastKote UV. Polyurea coatings are sensitive to moisture and can affect proper curing of the coating.

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

MIXING

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). 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.

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.

RUST-OLEUM®

TECHNICAL DATA

FASTKOTE® UV

PERFORMANCE CHARACTERISTICS

Tensile Strength (ASTM D412)	5,500
Compressive Strength (ASTM D695)	12,000
Elongation (ASTM D412)	75
Coefficient of Friction (ASTM D1894)[1]	0.69 Wet 0.80 Dry

[1] When combined with one bag of Durability Additive

PERFORMANCE CHARACTERISTICS (cont.)

Hardness, Shore D (ASTM D2240)	84
Gloss (ASTM D523) @ 60°	91+
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 g load, 1,000 cycles	43

PHYSICAL PROPERTIES

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%.
* If 12 hour recoat time has elapsed, the coating must be sanded prior to recoating.
** Calculated applied VOC

CHEMICAL RESISTANCE

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

Chemical Resistance 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=Discolorativ

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