

RUST-OLEUM®



FINISHKOTE 100

DESCRIPTION AND USES

FinishKote 100 is a high gloss, UV stable polyaspartic polyurea floor coating for use in industrial and commercial facilities. Suitable for both interior and exterior applications. FinishKote 100 can be used as a clear finish or tinted to finish color.

PRODUCTS

283618	Part A (Base)
283643	Part B (Activator)
283963	Gray Polyurea Universal Tint
283964	Tan Polyurea Universal Tint
283965	Super Light Gray Polyurea Universal Tint

RECOMMENDED PRIMER

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

If there is a moisture issue with the floor, then it must be primed with one of the TVB Primers.

PACKAGING

Part A	– Full 2 gallon container
Part B	– 3 gallons in a short filled 3.5 gallon container
Tint	– Full quart container

APPEARANCE

High Gloss

PRODUCT APPLICATION

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® 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.

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

Both components should be pre conditioned to a minimum of 50° F (10°C) prior to use.

PRODUCT APPLICATION (cont.)

Thoroughly mix each component separately before combining. If only using part of a container, be sure to use a separate mixer blade for each component to avoid cross contamination.

Pour the Part A and Part B components together in a clean, dry five gallon container and power mix for a minimum of two minutes. Do not entrain air into the mixing. Do not mix more material than can be applied in 20-25 minutes.

If using less than a full container, combine the components using a mixing ratio of 1:1.5 by volume, Part A (Base) to Part B (Activator).

TINTING

If tinting, add 12% by volume of the selected color Polyurea Universal Tint (1 quart of tint per 2 gallons of activated material). Power mix until a uniform color is achieved.

APPLICATION

Apply only when air, material and floor temperatures are between 45-100°F (7-38°C). Do not apply in direct Sunlight or when temperature is rising. Colder environmental conditions can slow the cure of FinishKote 100. For these applications contact Rust-Oleum Technical Service about faster curing options.

Immediately after mixing, pour the material onto the floor in a long, 8 to 12 inch wide stripe.

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 250-350 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.

THINNING

Not normally required.

CLEAN-UP

Acetone.

EQUIPMENT RECOMMENDATIONS

ROLLER: Use a high quality 3/8 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

Tensile Strength (ASTM D412)	6,000
Compressive Strength (ASTM D695)	9,700
Elongation (ASTM D412)	100
Hardness, Shore D (ASTM D2240)	75
Gloss (ASTM D523) @ 60°	91+
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 g load, 500 cycles	30



TECHNICAL DATA

FINISHKOTE 100

PHYSICAL PROPERTIES

Resin Type		Polyaspartic Polyurea
Weight	Per Gallon	10.0 lbs.
	Per Liter	1.2 kg/l
Solids by Volume		100%
Volatile Organic Compounds		<10 g/l**
Mixing Ratio		1:1.5 (Part A to Part B)
Induction Time		None required
Pot Life		20-25 minutes
Practical Coverage at Recommended DFT		250-350 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times @ 72°F and 50% Relative Humidity†	Tack Free	1-2 hours
	Dry Hard	3-6 hours 24 hours for vehicle traffic
	Recoat	4-12 hours*
Shelf Life		12 months
Safety Information		See SDS

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

† Extreme cold temperatures may slow cure times.

* If 12 hour recoat time has elapsed, the coating must be sanded and re-primed prior to recoating.

** Calculated Applied VOC

CHEMICAL RESISTANCE

Acetic Acid 100%	C	Mineral Spirits	RC	Sulfuric Acid >50%	RC
Acetone	C	Motor Oil	R	Toluene	R
Ammonium Hydroxide 50%	RC	MTBE	C	1, 1,1-Trichlorethane	C
Benzene	C	Muriatic Acid 10%	R	Trisodium Phosphate	R
Brine saturated H ₂ O	R	NaCl/H ₂ O 10%	R	Vinegar/H ₂ O 5%	R
Chlorinated H ₂ O	R	Nitric Acid 20%	NR	H ₂ O	R
Clorox H ₂ O	R	Phosphoric Acid 10%	R	H ₂ O 14 days at 82° C	RC
Diesel fuel	RC	Phosphoric Acid 50%	NR	Xylene	RC
Gasoline	RC	Potassium Hydroxide 10%	R		
Gasoline/5% MTBE	RC	Potassium Hydroxide 20%	R, Dis		
Gasoline/5% Methanol	RC	Propylene Carbonate	RC		
Hydrochloric Acid 20%	R	Skydrol	C		
Hydrofluoric Acid 10%	NR	Sodium Hydroxide 25%	R		
Hydraulic fluid (oil)	RC	Sodium Hydroxide 50%	R, Dis		
Isopropyl Alcohol	R	Sodium Hypchlorite 10%	R		
Lactic Acid	RC	Sodium Bicarbonate	R		
MEK	RC	Stearic Acid	R		
Methanol	R	Sugar/H ₂ O	R		
Methylene Chloride	C	Sulfuric Acid 10%	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=Discolorative

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