

RUST-OLEUM®



## FINISHKOTE 80

## DESCRIPTION AND USES

FinishKote 80 is a two component, high gloss, UV stable polyaspartic polyurea floor coating for use in industrial and commercial facilities. Suitable for both interior and exterior applications. FinishKote 80 can be used as a clear finish or tinted to finish color.

## PRODUCTS

SKU	Description
283567	Part A
283616	Part B
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	– Full 2 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 Pure Strength® 3599 Industrial 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 by volume, Part A to Part B.

## 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 -20 - 120°F (-29 - 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.

**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 ¾ 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)	9,400
Elongation (ASTM D412)	100
Hardness, Shore D (ASTM D2240)	78
Gloss (ASTM D523) @ 60°	90+
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 g load, 500 cycles	28



## TECHNICAL DATA

# FINISHKOTE 80

### PHYSICAL PROPERTIES

<b>Resin Type</b>		Polyaspartic Polyurea
<b>Weight</b>	<b>Per Gallon</b>	9.0 lbs/gal
	<b>Per Liter</b>	1.1 kg
<b>Solids by Volume</b>		80%
<b>Volatile Organic Compounds</b>		<10 g/l**
<b>Mixing Ratio</b>		1:1 (Part A to Part B)
<b>Induction Time</b>		None required
<b>Pot Life</b>		20-25 minutes
<b>Practical Coverage at Recommended DFT</b>		250-350 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
<b>Dry Times @ 70-80°F (21-27°C) and 50% Relative Humidity†</b>	<b>Tack Free</b>	1-2 hours
	<b>Dry Hard</b>	2-4 hours, 24 hours for vehicle traffic
	<b>Recoat</b>	4-12 hours*
<b>Shelf Life</b>		12 months
<b>Safety Information</b>		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 <sub>2</sub> O	R	NaCl/H <sub>2</sub> O 10%	R	Vinegar/H <sub>2</sub> O 5%	R
Chlorinated H <sub>2</sub> O	R	Nitric Acid 20%	NR	H <sub>2</sub> O	R
Clorox H <sub>2</sub> O	R	Phosphoric Acid 10%	R	H <sub>2</sub> 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 <sub>2</sub> 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=Discoloration

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.