

RUST-OLEUM®**6700 SYSTEM****EXTENDED POT LIFE 100% EPOXY****DESCRIPTION AND USES**

The 6700 System is a 100% solids cycloaliphatic hybrid, high gloss finish floor coating for use in industrial and commercial facilities. This material has an extended pot life of up to one hour under normal ambient conditions.

PRODUCTS

1Gal.	3Gal.	DESCRIPTION
301675	312452	Silver Gray
301676	312455	Dunes Tan
301677	302506	Clear
301678	312451	Navy Gray
301679	312453	Super Light Gray
301680	312454	Light Gray
-	333691	Part B for color finishes
-	332248	Part B for the clear finish

PACKAGING

The 6700 System is packaged in both one gallon and three gallon sizes.

The one gallon size is packaged as a kit that contains both Part A and Part B in a 3½ gallon plastic container.

The components for the three gallon size are sold separately. Each component is packaged in a short filled 3½ gallon plastic container.

RECOMMENDED PRIMER

The 6700 System is a self priming floor coating, however it can be used in conjunction with Rust-Oleum Penetrating Prime and Seal Primer on bare concrete floors. The use of the primer will optimize the adhesion of the coating system to the concrete and is suggested in high traffic areas.

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® 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.

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.

PRODUCT APPLICATION (cont.)**MIXING**

Both components should be pre conditioned to a minimum of 70° F (21°C) prior to use. The material temperature should be at least 5°F above the dew point before opening the material to prevent condensation from forming on the product.

1 Gallon size

Both Part A and Part B are packaged together within a 3½ gallon plastic container. The components are in a flexible pouch. Shake or message the pouch before opening, then open the pouch and combine both parts into the plastic bucket. Power mix for 2 minutes. Do not entrain air while mixing. Do not mix more material than can be applied within one hour.

3 Gallon size

The 3 gallon kit is packaged as separate components. 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. Briefly mix the Part A and then pour in Part B and power mix for 2 minutes. Do not entrain air into the mixing. Do not mix more material than can be applied in 60 minutes. If using less than a full container, combine the components using a mixing ratio of 2:1 by volume, Part A to Part B for colors and 5:3 by volume for the Clear.

APPLICATION

Apply only when air, material and floor temperatures are between 40-90°F (4.5-32°C).

The 6700 System can be applied by roller working from a roller pan or it can be poured directly onto the floor in a ribbon and spread out with an ⅛ inch or ¼ inch notched squeegee, then back roll the material smooth using a 3/8" lint free roller with a phenolic core to smooth out the finish.

To ensure proper film thickness is achieved, the coverage rate should not exceed 100 sq ft/gallon.

THINNING

Not normally required. If needed, thin with acetone up to 10%.

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.



TECHNICAL DATA

6700 SYSTEM EXTENDED POT LIFE 100% EPOXY

PERFORMANCE CHARACTERISTICS

FILM HARDNESS, SHORE D

METHOD: ASTM D2240

TYPICAL VALE: 85

KONIG PENDULUM HARDNESS

METHOD: ASTM D4366

TYPICAL VALUE: 125

TABER ABRASION

METHOD: ASTM 4060

CS 17 Wheel, 1,000 gram load, 1,000 cycles

TYPICAL VALUE: Loss 55 mg

GLOSS

METHOD: ASTM D523

TYPICAL VALUE: Up to 95% @ 60 degrees

Up to 95% @ 20 degrees

IMPACT RESISTANCE

METHOD: ASTM D2794

TYPICAL VALUE: Direct/Reverse, 85/65 inch pounds.



TECHNICAL DATA

6700 SYSTEM EXTENDED POT LIFE 100% EPOXY

PHYSICAL PROPERTIES

Resin Type		Amine Cured Epoxy
Weight*	Per Gallon	8.5-10.8 lbs./gal.
	Per Liter	1.0-1.3 kg
Solids by Volume*		100%
Volatile Organic Compounds*		<50 g/l (0.42 lbs./gal.)
Mixing Ratio		2:1 (Part A to Part B, by volume) for Colors 5:3 (Part A to Part B, by volume) for Clear
Induction Time		None required
Pot Life†		60 minutes @ 70°F (21°C)
Recommended Dry Film Thickness (DFT) per Coat		16 mils
Practical Coverage at Recommended DFT		100 sq.ft./gal.
Dry Times @ 70-80°F (21-27°C) and 50% Relative Humidity	Recoat	12-48 hours
	Light Traffic	12-16 hours
	Vehicle Traffic	36-48 hours
Shelf Life		Base component – 3 years, Activator – 2 years (Unopened containers)
Safety Information		See SDS

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

* Activated material

† Pot life is affected by air temperature and the amount of material activated.

CHEMICAL RESISTANCE

Acetic Acid 100%	R	Methanol	R	Stearic Acid	R
Acetone	R	Methylene Chloride	C	Sugar/H ₂ O	R
Ammonium Hydroxide 50%	RC	Methanol	R	Sulfuric Acid 10%	R
Benzene	RC	Methylene Chloride	C	Sulfuric Acid >50%	RC
Brake fluid	RC	Mineral Spirits	R	Toluene	R
Brine saturated H ₂ O	R	Motor Oil	R	1, 1,1-Trichlorethane	C
Chlorinated H ₂ O	R	MTBE	C	Trisodium Phosphate	R
Clorox (10%) H ₂ O	R	Muriatic Acid 10%	R	Vinegar/H ₂ O 5%	R
Diesel fuel	R	NaCl/H ₂ O 10%	R	H ₂ O 14 days at 82° C	R
Gasoline	R	Nitric Acid 20%	RC	Xylene	R
Gasoline/5% MTBE	R	Phosphoric Acid 10%	RC		
Gasoline/5% Methanol	R	Phosphoric Acid 50%	C		
Hydrochloric Acid 20%	RC	Potassium Hydroxide 10%	R		
Hydrofluoric Acid 10%	RC	Potassium Hydroxide 20%	R, Dis		
Hydraulic fluid (oil)	RC	Propylene Carbonate	R		
Isopropyl Alcohol	R	Skydrol	R		
Jet fuel (JP-4)	R	Sodium Hydroxide 25%	R		
Lactic Acid	RC	Sodium Hydroxide 50%	R		
MEK	RC	Sodium Hypochlorite 10%	R		
		Sodium Bicarbonate	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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