

RUST-OLEUM®



6700 SYSTEM

100% SOLIDS DECORATIVE 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.

PRODUCT FEATURES AND BENEFITS

- Emits virtually no odours and can be applied indoors
- VOC free
- 60-minute pot life
- Convenient 2 parts A :1 part B mixing ratio
- Serves as both a primer and basecoat in 1 coat
- 100% solids formulation
- Exhibits great self-leveling properties with a built in shine

PRODUCTS

SKU	DESCRIPTION
394228	Light Gray 3-Gallon Kit
394229	Armor Gray 3-Gallon Kit
394230	Dunes Tan 3-Gallon Kit
394231	Clear 3-Gallon Kit
394232	Custom 3-Gallon Kit*

*Made-to-Order only. Contact Rust-Oleum Customer Service for details.

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

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 CONCRETE: Laitance must be removed by diamond grinding or shot blasting. On concrete that has been cured with curing compounds or has had a hard steel troweled finish, shot blasting, sandblasting or other methods of mechanical preparation will be required. New concrete should be cured for a minimum period of 28 days at 21°C (70°F) prior to application.

EXISTING CONCRETE: Concrete must be clean and sound. Old coatings and toppings must be removed. Concrete must be clean and free of previous coatings, oil, wax, paint, and other contaminants. The surface of the concrete must be clean and properly profiled to enable the coating to achieve maximum bond. Water soluble contaminants can be hosed off with water. Some water insoluble materials are difficult to remove and may require sandblasting, scabbling, or other methods of removal. For either new or existing concrete, when preparation is complete, the surface texture should be similar to 60-80 grit sandpaper or ICRI CSP Level 2 or 3. Concrete must be visibly dry at time of application.

PRODUCT APPLICATION (cont.)

MIXING EQUIPMENT

Low speed drill and spiral mixing wand. Must pre-mix prior to use.

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

Note: Three-gallon kits are packaged in Concrete Saver's new and exclusive All-In-One packaging. Both A and B components are shipped together inside an outer 5-gallon pail that can be used for combining both components at the application site. For best results use narrow spiral paint mixer (SKU:388011) to premix individual components within the 3-gallon kits.

MIXING

Note: Before starting, ensure that the material, concrete surface, and the ambient air are all at 15-32°C (60-90°F). Mixing ratio is 2 parts A to 1 part B.

Pre-mix both A and B sides prior to combining.

Add part "A" to the mixing container.

Add part "B" to the mixing container and mix for 60-90 seconds.

THINNING

None required.

NOTE: If necessary, can be thinned with xylene.

EQUIPMENT RECOMMENDATIONS

SQUEEGEE: Use a high-quality notched rubber squeegee.

ROLLER: Use a high quality ¾ inch lint-free roller with a phenolic core.

BRUSH: Use a disposable natural fiber chip brush, 5-10 cm (2-4 inch) wide for cut-in work.

APPLICATION

Apply only when air, material and floor temperatures are between 15-32°C (60-90°F) and the surface temperature is at least 3°C (5°F) above the dew point and RH less than 85%. 6700 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 a rubber squeegee to spread the material out and achieve the 100 sq. ft./gal. spread rate. Back roll the material smooth using a ¾" lint free roller with a phenolic core to smooth out the finish.

CLEAN UP

Clean tools and application equipment immediately after use with active solvent like xylene or acetone. Clean spills or drips while still wet with solvent. Dried product will require mechanical abrasion for removal.

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PERFORMANCE CHARACTERISTICS

COMPRESSIVE STRENGTH

METHOD: ASTM C695

TYPICAL VALUE: 7950 psi

TENSILE STRENGTH

METHOD: ASTM D412

TYPICAL VALUE: 4500-5200 psi

BOND STRENGTH TO CONCRETE

METHOD: ASTM D4541

TYPICAL VALUE: Exceeds tensile strength of concrete
(concrete fails first)**TABER ABRASION**

METHOD: ASTM 4060, CS 17, 1,000 gram load

TYPICAL VALUE: Loss/1000 cycles = 55 mg

FLAMMABILITY

METHOD: ASTM D635

TYPICAL VALUE: 1.2 cm./min.

COEFFICIENT OF FRICTION

METHOD: ASTM D2047

TYPICAL VALUE: 0.77 unglazed

FILM HARDNESS, SHORE D

METHOD: ASTM D2240

TYPICAL VALUE: 85

IMPACT RESISTANCE

METHOD: ASTM D2794

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

KONIG PENDULUM HARDNESS

METHOD: ASTM D4366

TYPICAL VALUE: 125

GLOSS

METHOD: ASTM D523

TYPICAL VALUE: Up to 95% @ 60 degrees
Up to 95% @ 20 degrees

This product complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized. Meets USDA requirements for incidental food contact.

CHEMICAL RESISTANCE

CHEMICAL	RESULT
Acetic Acid 100%	R
Acetone	R
Ammonium Hydroxide 50%	RC
Benzene	RC
Brine saturated H ₂ O	R
Chlorinated H ₂ O	R
Clorox (10%) H ₂ O	R
Diesel fuel	R
Gasoline	R
Gasoline/5% MTBE	R
Gasoline/5% Methanol	R
Hydrochloric Acid 20%	RC
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/ H ₂ O 10%	R
Nitric Acid 20%	RC
Phosphoric Acid 10%	RC
Phosphoric Acid 50%	C
Potassium Hydroxide 10%	R
Potassium Hydroxide 20%	R, Dis
Propylene Carbonate	R
Skydrol	R
Sodium Hydroxide 25%	R
Sodium Hydroxide 50%	R
Sodium Hypochlorite 10%	R
Sodium Bicarbonate	R
Stearic Acid	R
Sugar/ H ₂ O	R
Sulfuric Acid 10%	R
Sulfuric Acid >50%	RC
Toluene	R
1, 1,1-Trichlorethane	C
Trisodium Phosphate	R
Vinegar/ H ₂ O 5%	R
H ₂ O 14 days at 82° C	R
Xylene	RC

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=discolorative

EPOXY	TECHNICAL DATA	CS-108
	6700 SYSTEM 100% SOLIDS DECORATIVE EPOXY	

PHYSICAL PROPERTIES

		6700 SYSTEM EXTENDED POT LIFE 100% EPOXY
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)
Induction Time		None required
Pot Life†		60 minutes @ 21°C (70°F)
Recommended Dry Film Thickness (DFT) per Coat		16 mils
Practical Coverage at Recommended DFT		9.29 m ² /gal. (100 sq. ft./gal.)
Dry Times @ 21-27°C (70-80°F) and 50% Relative Humidity	Recoat	12-48 hours
	Light Traffic	12-16 hours
	Vehicle Traffic	36-48 hours
Shelf Life		Base component – 5 years, Activator – 5 years (Unopened containers)
Safety Information		See SDS

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

*Activated material

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