



**SEAL KRETE® HIGH PERFORMANCE PERFORMANCE EPOXY**

**DESCRIPTION AND USES**

Seal-Krete® Performance Epoxy is an epoxy-based coating system that provides outstanding customer value. Its great value, slower dry time, and low odor formulation makes Performance Epoxy ideal for larger indoor application areas.

**PRODUCT FEATURES AND BENEFITS**

- Versatile - Direct to Concrete
- Low odor 100% solids
- Tenacious adhesion
- Chemical resistant
- Compliant nationwide with near zero VOC

**PRODUCTS**

SKU	DESCRIPTION
388953	Light Gray 3-Gallon Kit
382424	Light Gray 15-Gallon Kit
322769	Armor Gray 3-Gallon Kit
382425	Armor Gray 15-Gallon Kit
388954	Dunes Tan 3-Gallon Kit
382427	Dunes Tan 15-Gallon Kit
322767	Clear 3-Gallon Kit
382423	Clear 15-Gallon Kit*
388955	Custom 3-Gallon Kit*
382426	Custom 15-Gallon Kit*

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

**PRODUCT APPLICATION**

**READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT**

**SURFACE PREPARATION**

**NEW CONCRETE:** Laitance must be removed by diamond for a minimum of 28 days. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 3 lb. per 1000 sq. ft. over a 24 hour period as measured by calcium chloride test method ASTM F-1869. The preferred method of surface preparation is to mechanically abrade the floor by diamond grinding to achieve a final 80–120 grit finish, reference profile CSP-2 according to ICRI. If patching is required, use SEAL-KRETE Fast Cure High Strength Concrete Repair.

**PREVIOUSLY COATED:** Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding or sweep blasting to create a surface profile. The Performance Epoxy is compatible with most coatings, but a test patch is suggested.

**NOTE:** 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 Seal-Krete'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 50-90°F. Mixing ratio is 2 parts by volume of Part A to 1 part by volume of 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 3 minutes.

**APPLICATION EQUIPMENT**

- 24" notched squeegee
- 18" short nap lint free roller

**APPLICATION**

Mix only what you can squeegee and back roll within 30-45 minutes (approximately 1 gallon of mixed material per crew of two applicators wearing spiked shoes). Do not aerate the mix.

Before starting, ensure that the material, concrete surface, and the ambient air are all at 50-90°F. Do not apply in direct sunlight or when temperature is rising. Wearing spiked shoes, immediately pour mixed Performance Epoxy on the floor in ribbons. Spread using a squeegee and then back roll using a short nap lint-free roller. If priming is required, Performance Epoxy can be thinned up to 10% by volume with xylene and squeegeed tight to help fill small voids. Refer to recoat window below for best practice when abrading and/or applying subsequent coats.

**CLEAN UP**

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



**SEAL KRETE® HIGH PERFORMANCE PERFORMANCE EPOXY**

**PRODUCT APPLICATION (cont.)**

**LIMITATIONS**

Do not apply if water or ice is present. Lower temperatures will slow cure time. Do not store Seal-Krete Performance Epoxy at temperatures below 50°F or above 95°F. Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab. Do not apply Seal-Krete Performance Purpose Epoxy if the floor is subject to moisture vapor drive or hydrostatic pressure. Seal-Krete Performance Epoxy will yellow upon prolonged exposure to sunlight or high intensity artificial lights.

**PERFORMANCE CHARACTERISTICS**

**COMPRESSIVE STRENGTH**

METHOD: ASTM C695  
 RESULT: 7,500 psi @ 24 hours and 9,800 psi @ 7 days

**TENSILE STRENGTH**

METHOD: ASTM D412  
 RESULT: 4500-5200 psi

**BOND STRENGTH TO CONCRETE**

METHOD: ASTM D4541  
 RESULT: >600 psi

**TABER ABRASION**

METHOD: ASTM 4060, CS 17  
 RESULT: Loss/1000 cycles = 36 mg.

**FLAMMABILITY**

METHOD: ASTM D635  
 RESULT: Self-extinguishing

**WATER ABSORPTION (24 HOURS)**

METHOD: ASTM D570  
 RESULT: <0.5%

**KONIG HARDNESS**

METHOD: ASTM D4366  
 RESULT: 120

**TENSILE ELONGATION %**

METHOD: ASTM D638  
 RESULT: 20-30%

**MONOLITHIC SURFACING**

METHOD: ASTM C722  
 RESULT: Pass

**IMPACT RESISTANCE**

METHOD: ASTM D2794  
 RESULT: Pass

**CHEMICAL RESISTANCE**

CHEMICAL	RESULT
Acetic Acid 100%	Y
Acetone	N
Ammonium 30%	Y
Ammonium Hydroxide 30%	Y
Animal Urine	S
Antifreeze	Y
Benzyl Alcohol	S
Brake Fluid	Y
Calcium Hypochlorite (Chlorine)	Y
Chromic Acid 10%	Y
Citric Acid 10%	Y
Clorox	Y
Ethyl Acetate	N
Gasoline	Y
Glycol Ether	N
Hydraulic Fluids	N
Hydrochloric Acid 35%	Y
Hydrofluoric Acid 40%	N
Hydrogen Peroxide 30%	S
Iodine 2%	Y
MEK	N
Methanol	N
Methyl Cellosolve	N
Methylene Chloride	N
Mineral Spirits	S
Motor Oil	Y
Mustard	N
Nitric Acid 20%	S
Nitric Acid 40%	N
Orange Juice	Y
Phosphoric Acid 10%	Y
Phosphoric Acid 30%	S
Phosphoric Acid 50%	S
PM Solvent	Y
Silver Nitrate 20%	Y
Skydrol	S
Sodium Hydroxide 50% (Caustic Soda)	Y
Sodium Hypchlorite 15% (Bleach)	Y
Sodium Hypchlorite 50% (Bleach)	N
Sulfuric Acid 10% (Battery Acid)	Y
Sulfuric Acid 50% (Battery Acid)	Y
Toluene	N
Trichloroethylene (1, 1, 1)	S
Trichloroethylene	N
Windshield Wiper Fluid	Y
Xylene	S

**Chemical Resistance: Chart Key**

Y= Resistant  
 S= Splash & Spill  
 N=Not recommended



**SEAL KRETE® HIGH PERFORMANCE PERFORMANCE EPOXY**

**PHYSICAL PROPERTIES**

		PERFORMANCE EPOXY
<b>Resin Type</b>		Epoxy Amine
<b>Pigment Type</b>		Varies depending on color
<b>Weight</b>	<b>Per Gallon</b>	8.5-10.8 lbs.
	<b>Per Liter</b>	1.0-1.3 kg
<b>Solids</b>	<b>By Weight</b>	100%
	<b>By Volume</b>	100%
<b>Volatile Organic Compounds*</b>		<10 g/l
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		8-12 mils
<b>Recommended Wet Film Thickness (WFT) Per Coat</b>		8-12 mils
<b>Practical Coverage (assume 15% material loss)</b>		115-170 sq. ft./gal. Coverage rates will vary based on application method.
<b>Mixing Ratio</b>		2A : 1B
<b>Pot Life</b>		30-35 minutes
<b>Re-Coat Window (Min./Max)</b>		12 hours/24 hours
<b>Dry Times at 77°F (25°C) and 50% Relative Humidity</b>	<b>Touch</b>	4-6 hours
	<b>Vehicle Traffic</b>	48-72 hours
	<b>Full Cure**</b>	7 days
<b>Shelf Life</b>		5 years
<b>Flash Point</b>		>200°F (93°C)
<b>Safety Information</b>		<b>PROTECT FROM FREEZING</b> For additional information, see SDS

\*EPA Method 24 Floor Category

\*\*Coating achieves its full physical and chemical resistant properties.

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

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.