SEAL KRETE® HIGH PERFORMANCE EPOXY-SHELL™ PRO TINT BASE

DESCRIPTION AND USES

SealKrete® High Performance Epoxy-Shell Pro is a two component, water-based epoxy floor coating designed for finishing concrete floors that are in good sound condition and are free of curing agents and sealers. It is not intended for use on unsound previous coatings or floors that have a moisture problem.

Dries to a gloss finish. This tint base can be tinted at the paint counter to 10 different colors.

PRODUCT FEATURES AND BENEFITS

- Drive on in 3 days
- No hot tire pick-up
- Abrasion & chemical resistant
- 1 coat application
- Provides an easy to clean showroom quality appearance

PRODUCTS

SKU	DESCRIPTION (Gloss)
363391	Epoxy-Shell Pro Armor Gray
363392	Epoxy-Shell Pro Tint Base

KIT CONTENTS

- Part B (Base) 92.5 fluid ounces (2.74 Liters)
- Part A (Activator) 27.5 fluid ounces (813 mL)

SUPPLIES NEEDED (not included)

- Stiff bristle broom or scrub brush
- Roller frame, tray, 3/8" nap cover
- Extension pole
- Squeegee (for the most effective cleaning and to speed drying)

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

NEW CONCRETE: Laitance must be removed by diamond grinding 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.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

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. Epoxy-Shell Pro is compatible with most coatings, but a test patch is suggested.

Concrete must be visibly dry at time of application.

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.

MIXING

Before starting, ensure that the material, concrete surface, and the ambient air are all at 60-85°F.

Pre-mix both A and B sides with power mixing drill prior to combining.

Add part “A” to the mixing container.

Add part “B” to the mixing container and power mix for 5 minutes. If multiple kits are being used, all Part B’s (base) should be mixed together in one 5 gallon plastic pail to ensure consistency in color. Prior to emptying each can, insert a clean paint stirring stick to determine how much paint is in the can, then mark the paint stirring stick with a pen at the fill level. You will be refilling each gallon can after you mix, so it is very important that you fill each can back up to the original fill level. Replace lid until ready to mix with Part A (activator). Do not mix more than one kit at a time.

(**NOTE:** Parts A and B must be power mixed as stated for a minimum of 5 minutes to ensure proper color consistency during application.) See charts on page 3 for appropriate application times and pot life. Do not leave container in direct sunlight. Power mix again before applying. To ensure even gloss and color, the coating must be applied within the times stated on the charts.

APPLICATION

Apply only when air, material, and surface temperatures are between 60-85°F (15-29°C) and the surface temperature is at least 5°F (3°C) above the dew point. The relative humidity should not be greater than 85%. First cut in the perimeter of the floor along the wall, or other areas where a roller cannot reach, using a brush or edger before beginning roller application.

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PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

Use a synthetic 3/8" nap roller cover on a 18" roller frame to apply an even coat of Epoxy-Shell Pro the surface. Maintain a wet edge to prevent lap marks and gloss differences. Epoxy-Shell Pro is designed to cover in one coat. If surface is very porous or coating is applied too thin, a second coat may be needed to achieve a uniform finish. A second coat must be applied within 24 hours of the first coat. Epoxy-Shell Pro must be used within 1 to 2 hours of initial mixing.

OPTIONAL

For decorative chip application, limit the application to 4x4 foot (1.2m x 1.2m) sections at a time to make it easier to distribute the colored chips onto the freshly coated surface. Broadcast the decorative chips up and away from you so they land flat on the wet paint, then continue on to the next section. Fresh paint can be applied over the loose chips lying outside the previously painted area

NOTE: When concrete is coated, it typically produces a smoother surface than bare concrete and can become slippery when wet. For improved slip resistance, add Rust-Oleum® Anti-Skid Additive, following the instructions on the package.

DRY TIME

Dry time is based on 70ºF and 50% relative humidity. Allow more time at cooler temperatures. The surface should be ready for light foot traffic in 12-16 hours. Allow 24-48 hours before placing heavy items and for normal foot traffic. Allow 3 days for full cure and vehicle traffic.

CLEAN-UP

Wash tools and equipment with warm water and a mild detergent immediately after use. To remove dried product use lacquer thinner. Clean up drips or spatters IMMEDIATELY with water as dried paint is very difficult to remove. Properly dispose of all soiled rags.

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APPLICATION TIMES AND POT LIFE

If temperature is 60-70ºF (16-21ºC) Allow product to stand after mixing	
Start brushing (trimming edges):	Immediately after power mixing for 5 minutes
Start rolling:	Immediately after power mixing for 5 minutes
Use all mixed product within (pot life):	2 hours after mixing
Best time to paint is mid-afternoon (after 1 PM) to ensure best curing conditions and maximum pot life	

If temperature is 71-80°F (22-27ºC) Allow product to stand after mixing	
Start brushing (trimming edges):	Immediately after power mixing for 5 minutes
Start rolling:	Immediately after power mixing for 5 minutes
Use all mixed product within (pot life):	1.5 hours after mixing
Best time to paint is early morning (before 9 AM) to ensure best curing conditions and maximum pot life	

If temperature is 81-85º (27-29ºC) Allow product to stand after mixing	
Start brushing (trimming edges):	Immediately after power mixing
Start rolling:	Immediately after power mixing
Use all mixed product within (pot life):	1 hour after mixing
Best time to paint is early morning (before 9 AM) to ensure best curing conditions and maximum pot life	

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PHYSICAL PROPERTIES

		EPOXY-SHELL PRO
Resin Type		Amine Cured Epoxy
Solvents		Ethylene Glycol Monopropyl Ether, Water
Weight	**Per Gallon**	10.20–10.40 lbs.
	Per Liter	1.22–1.25 kg.
Solids	**By Weight**	62.0-65.0%
	By Volume	53.0–56.0%
Volatile Organic Compounds		<50 g/l (0.42 lbs./gal.)
Mixing Ration		3.29:1 (Base to Activator by volume)
Pot Life @ 70-80°F (21-27°C) and 50% Relative Humidity		Varies with temperature (See chart on page 3)
Recommended Dry Film Thickness (DFT) per Coat		3.0-3.5 mils (75-87.5µ)
Wet Film to Achieve DFT (Unthinned material)		6.0-7.0 mils (150-175µ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		Approximately 250 sq. ft. (6.2 m^2/l) per kit
Dry Times based on 70-80°F (21-27°C) and 50% Relative Humidity	**Recoat**	24 hours minimum and 72 hours maximum
	Foot Traffic	24 hours
	Vehicle Traffic	72 hours
	Full Cure	7 days
Shelf Life		5 years
Flash Point		>200°F (93°C) Activated material
Safety Information		For additional information, see SDS

Calculated values may vary slightly from the actual manufactured material.