SEAL KRETE® HIGH PERFORMANCE ARMOR-SHELL DENSIFIER

DESCRIPTION AND USES

SEAL-KRETE® Armor-Shell Densifier is a liquid concrete-floor hardener. Armor-Shell Densifier is a solution of sodium silicates designed to react with the concrete to seal the pores and chemically harden the surface.

PRODUCT FEATURES AND BENEFITS

- Increases abrasion resistance
- Leaves no film that will wear off
- May be applied over stained/dyed concrete
- Improves chemical resistance
- Eliminates dusting
- Increases surface strength
- Resists oil and water penetration
- Treated surface is not slippery

PRODUCTS

DESCRIPTION	SKU
Armor-Shell Densifier 1 Gallon	353617
Armor-Shell Densifier 5 Gallon Pail	353636

COMPANION PRODUCTS

DESCRIPTION	SKU
Armor-Shell Grout Coat 1 Gallon	353642
Armor-Shell Grout Coat 5 Gallon Pail	353643
Armor-Shell Stain Guard 1 Gallon	353618
Armor-Shell Stain Guard 5 Gallon Pail	353637

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

CONCRETE REPAIR

All spalls and cracks must be chased out and repaired to ICRI standards using an appropriate patching material. If patching is required, use SEAL-KRETE Fast Cure High Strength Concrete Repair.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

NEW CONCRETE: New concrete should be allowed to cure 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. Concrete may be damp, but not puddled.

PREVIOUSLY COATED: Existing coatings must be removed. 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. Concrete may be damp, but not puddled.

MIXING EQUIPMENT

Low speed drill and spiral mixing wand.

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

APPLICATION

Apply only when air, material and floor temperatures are above 35°F and rising at the time of application and relative humidity below 85%. Armor-Shell Densifier is ready to use from the container. Apply a single coat of Armor-Shell Densifier using a low pressure sprayer, roller, scrub pad or auto scrubber. A mechanical scrubber will increase the penetration and effectiveness of the product. Apply so that coverage results in a uniform wet surface without puddles. Armor-Shell Densifier should soak into the concrete, and any excess material should be removed with a squeegee and not allowed to dry on the surface. Dried product will need to be removed with a grinder.

THINNING

None required

CLEAN-UP

Clean tools and application equipment immediately after use with soap and water. Clean spills or drips while still wet with soap and water. Dried product will require mechanical abrasion for removal.

Form: ARJ-1968
Rev.: 042320

	TECHNICAL DATA	SKHP-19

SEAL KRETE® HIGH PERFORMANCE ARMOR-SHELL DENSIFIER

PHYSICAL PROPERTIES

		ARMOR-SHELL DENSIFIER
Resin Type		Sodium Silicate
Solids By Volume		20-25%
Volatile Organic Compounds		<=5 g/l
Practical Coverage Rate		200-300 sq.ft./gal. Coverage rate can vary depending on the texture and porosity of the concrete
Dry Times at 77°F (25ºC) and 50% Relative Humidity	**Tack Free**	2-4 hours
	Foot Traffic	4 to 6 hours
Shelf Life		2 years
Flash Point		>200°F (93°C)
CAUTION!		Protect from freezing
Safety Information		See SDS

Calculated values are shown and may vary slightly 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.

RUST-OLEUM

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061

Phone: 800·323·7357
www.hp.seal-krete.com

Form: ARJ-1968
Rev.: 042320