

**SEAL
KRETE****HIGH
PERFORMANCE**
FLOOR COATING SYSTEMS

TECHNICAL DATA SHEET

Clear-Shell

SINGLE COMPONENT ALIPHATIC SOLVENT-BASED POLYURETHANE



PRODUCT DESCRIPTION

SEAL-KRETE® Clear-Shell is a Single Component General Purpose Aliphatic Solvent-Based Polyurethane Clear Coating. Seal-Krete Clear-Shell provides a strong, beautiful, and maintenance-free finish.

FEATURES AND BENEFITS:

- Versatile – Final Topcoat over Broadcast Floors, Chip Floors, Slurry/Broadcast, Metallic Epoxy, Acid Stains, Concrete Stains
- Return to Service in 48 hours
- Properties equal to two part polyurethanes in hardness and chemical resistance
- VOC Compliant
- Outstanding Gloss Retention
- Resists chipping
- Packaging Size:
 - 1-Gallon
- Available in:
 - Clear Item #246801

RECOMMENDED USES:

- Top-Coat for Seal-Krete Color-Shell
- Warehouse and Garage Floors
- Manufacturing Plants, Workshops
- Veterinarian Clinics and Hospitals
- Production Rooms and Loading Docks
- Kitchens, Lavatories and Showers

Important: Read all directions thoroughly. Recommended: Wear gloves, safety glasses and protective clothing or apron.

SURFACE PREP*

Surface must be clean and dry. Remove loose paint and excessive chalk. Repair cracks and surface breaks. Cover windows, doors, etc. and use caution when applying on windy days.

Note: All surfaces must be clean and dry and free of efflorescence, dirt, oil, wax, previous sealers, curing agents, bond breakers, paints, or stains. You may need an oil stain remover like Seal-Krete Oil Stain Remover to lift stubborn oil stains. Cover all vegetation, windows, doors, etc. prior to application. Use caution when applying on windy days.

Bare Concrete: Concrete must have cured a minimum of 28 days. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 1.35 kg per 92.90 m² (3 lbs per 1000 sqft) over a 24 hours period as measured by calcium chloride test method ASTM F-1869. The preferred method of surface preparation is abrasive blasting or scarification using diamond heads to achieve a final 80-120 grit finish, reference Profile SP-2 ICRI Technical Guideline No.03732. For additional prep information, visit www.seal-kretehp.com.

APPLICATION

APPLICATION INSTRUCTIONS: Read "LIMITATIONS" section before use. This product is ready to use (do not dilute). Stir gently, do not shake. An inconspicuous test area is recommended to ensure desired aesthetics prior to application. Apply in thin coats. . Films applied above 6 mils wet could results in tiny bubbles dried in the film due to carbon dioxide gassing. One coat is recommended; though, very porous substrates may require two coats. To improve slip resistance, add one pouch of SEAL-KRETE Clear Grip per gallon of sealer.

Brush/Roller: Brushes or solvent resistant rollers should be used to apply CLEAR-SHELL. If using a roller, a short nap 5mm (1/4") is required for smooth concrete

and 10mm (3/8") on broom concrete. Apply in short, overlapping strokes, maintaining a wet bead. To avoid stringing, do not allow the roller or brush to dry. For best results, apply Clear-Shell to concrete which is cool to the touch.

COVERAGE: 250-400 sq. ft. per gallon using 5mm (1/4") roller at 4-6 mils, depending on surface porosity and application method. Second coat will render 50% greater coverage per gallon.

DRY TIME: Dry to touch in 30 minutes. Recoat in 6 - 8 hours. Dry to foot traffic in 24 hours. Will accept vehicular traffic in 72 hours. Humidity will affect dry times. Low humidity will lengthen dry times and high humidity above 50% will accelerate cure.

CLEAN-UP, STORAGE AND DISPOSAL

CLEAN-UP: Clean tools with solvents (Xylene) immediately after use. Dispose of container and contents in accordance with local laws and regulations. Store in a cool, dry area. Dried material will require mechanical abrasion or chemical strip for removal. Do not use alcohol "IPA" or Lacquer thinner blends that contain alcohol to clean equipment or tools.

HANDLING: Irritating to eyes, skin and mucus membranes. Do not breathe mixed product vapors or dusts. Provide adequate ventilation. May cause sensitization by prolonged skin contact and/or inhalation.

STORAGE: Store and transport in unopened containers in a clean, dry area at stable temperatures approximating 15 to 22.5°C (60 to 73°F).

KEEP FROM FREEZING: Store in a cool, well ventilated area above freezing.

DISPOSAL: Collect with absorbent material. Dispose of in accordance with current local, state and federal regulations.

LIMITATIONS

Temperatures should be maintained between 50 – 90°F (10 to 32°C) and should not fall below 50°F (10°C) within 24 hours of application. Do not apply if rain is expected within 12 hours. **DO NOT USE OVER WATER-BASED PRODUCTS.** Do not apply to glazed tile, marble, granite or other non-porous substrates. Do not use on concrete slabs with inadequately drained sub-grade, treated surfaces to be covered with concrete or plaster, and/or surfaces subject to hydrostatic water pressure. Do not thin or dilute. Do not apply in direct sunlight in high heat conditions. Do not apply if surface temperature is within 5°F (-15°C) of the dew point in the work area. Films applied above 6 mils wet could results in tiny bubbles dried in the film due to carbon dioxide gassing. If not stored in sealed containers coating may develop a thin skin on top.

CAUTION: HEALTH HAZARD INFORMATION (ACUTE AND CHRONIC): READ SDS PRIOR TO USE. CAN CAUSE IRRITATION OF EYES AND SKIN. HARMFUL IF SWALLOWED.

EYE PROTECTION: Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof equipment.

TESTING: Due to the wide variety of sub-strates, preparation methods, application methods and environments, test the product in an inconspicuous spot for penetration and compatibility prior to application.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin. If splashed in the eyes, remove contact lenses, if worn. Flush eyes with clean water. If irritation occurs get medical attention. If swallowed, **DO NOT** induce vomiting. Take immediately to hospital or physician. **For more information refer to Safety Data Sheet.**

* Sanding or removing paint containing lead may be hazardous. For information contact the National Lead Information Center at 1-800-424-LEAD or www.epa.gov/lead.



Clear-Shell

MATERIAL PROPERTIES AT 75°F (24°C)

Solids	40
Viscosity	Low
Working time	unlimited
Recoat time	6-8 hrs.
Light Foot Traffic	24 hrs.
Vehicular Traffic	48 hrs
Maximum recoat time without sanding	24 hrs
Koenig Hardness	140
Adhesion Strength ASTM D4541	667psi 100% concrete failure
Flammability ASTM D635	Self Extinguishing
Water Absorption, 24 hrs. ASTM D570	<0.1%
Abrasion Resistance, CS-17 ASTM D4060	2.2 mg
Gloss	92 @ 60°



Item #: 246801

CHEMICAL SOLVENT RESISTANCE ASTM D-1308

Water	No effect	Krud Kutter	No effect
Brake Fluid	soften	Pine Oil Cleaner	No effect
Motor Oil	No effect	409 Cleaner	No effect
Gasoline	No effect	Mustard	No effect
MEK	No effect	Ketchup	No effect
Acetone	No effect	A-1 Steak Sauce	No effect
Isopropyl Alcohol	No effect	Beer	No effect
Xylene	No effect	Butter	No effect
Transmission fluid	No effect	Redwine	No effect
Urine	No effect	20% Tannic Acid	No effect
10% Ammonium Hydroxide	No effect	Coffee	No effect
50% Sodium Hydroxide	No effect	Tea	No effect
25% Citric Acid	No effect	Pepsi Cola	No effect
10% Sulfuric Acid	No effect	Pickle Juice	No effect
10% Hydrochloric Acid	No effect	Swine Urine	No effect
20% Ammonia	No effect	Swine Feces	No effect
Vinegar	No effect	Lacquer Thinner	No effect
Spic and Span	No effect	Baby oil	No effect
Windex	No effect	Shampoo	No effect
Chlorinated Pool Water	No effect	Canola Cooking Oil	No effect

PRODUCT INFORMATION

PRODUCT	ITEM NO.	UNIT	UPC
CLEAR-SHELL	246801	1 GALLON	0 15944 24681 0

WARRANTY: Seller makes no warranty, either expressed or implied, concerning this product, its quality, performance, merchantability, or fitness for a particular purpose other than expressly designated warranty of this label. Buyer assumes all risk of use and handling of this material.

TECHNICAL SUPPORT: For more information on surface prep or application guidelines, or to obtain a Material Safety Data Sheet, call 1-800-323-7357, M-F (8:00 am-5:00 pm EST) or visit our website at www.seal-kreteh.com.

Country of Origin: U.S.A.



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