TECHNICAL DATA SHEET

SEAL KRETE HIGH PERFORMANCE INDUSTRIAL COATING SYSTEMS

Epoxy-Shell™ WB 250

PRODUCT DESCRIPTION

SEAL-KRETE® Epoxy-Shell WB 250 is an industrial strength water-based two-part high performance epoxy coating which utilizes cycloaliphatic amine technology. It provides excellent adhesion, film hardness, chemical, and abrasion resistance. Epoxy-Shell WB 250 can be applied directly to concrete without the need of a primer. The coating is widely used to provide a high gloss finish to concrete floors, food & beverage and pharmaceutical facilities. It is recommended on floors and walls in equipment and clean rooms, as well as refineries, power industry, and wastewater facilities.

FEATURES AND BENEFITS:

- High Gloss
- Great scratch & abrasion resistance
- Good chemical resistance
- Excellent hot tire pick-up resistance
- Highly breathable, reduces blistering and peeling
- Recommended for vertical or horizontal applications
- Excellent system for flake floors
- Recommended primer for 100% Solids Metallic Epoxy
- For interior use
- Available in: Clear 30.28 L (8 Gallon) Kit, Item #560808
  Armor Gray 30.28 L (8 Gallon) Kit, Item #521808
  Black Knight 3.78 L (1 Gallon) Kit, Item #550801
  Custom Color 30.28 L (8 Gallon) Kit, Item #559898

APPLICATIONS:

- Clear Dust Proofer
- Clear Sealer
- Pigmented Sealer
- Pigmented Primer under Epoxy-Shell 1000, Epoxy-Shell 1000 Metallics or Poly-Shell 7000
- Flake System – for use as primer and broadcast coat with Poly-Shell 7000 or Dura-Shell WB
- Quartz System – for use as primer to improve perm-rate, dry times and lower cost

TYPICAL USES:

- Food processing areas
- Bottling areas
- Clean rooms
- Sanitize/wash areas
- Kitchens
- Cook/chill areas
- Pharmaceutical plants
- Refineries, chemical processing facilities
- Prison floors
- Warehouse floors

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

SURFACE PREP*

CONCRETE: New concrete should be allowed to cure for a minimum of 30 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 1.35 kg per 92.90 m^2 (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 abrasive blasting or using a diamond grinder to achieve a final 80–120 grit finish, reference Profile SP-2 ICRI Technical Guideline No. 03732.

APPLICATION CONDITIONS: Temperature of the air, substrate and material should be between 10°C and 35°C (50°F and 95°F). Relative humidity should not be above 80%. For priming, only one coat is needed. For all other applications, two coats are recommended with a minimum of 6 hours (4 hours with spike shoes) and a maximum of 24 hours dry time between coats.

MIXING INSTRUCTIONS: Mix Part A by using a low speed drill with mixing attachment for 2 minutes. Add one part by volume Part B to three parts by volume Part A. Mix an additional 2 minutes. For improved slip resistance, add SEAL-KRETE Clear-Grip, following the instructions on the Clear-Grip package. Mix only the amount of material that can be applied during the pot life (approximately 60 minutes, depending on air/surface temperatures). Do not aerate the mix. Apply immediately.

APPLICATION: Apply using a 10 mm (3/8") short nap roller for horizontal and vertical surfaces. Apply light coats no more than 24 hours between coats.

CLEAN-UP, STORAGE AND DISPOSAL

CLEAN-UP: Clean tools and application equipment immediately after use with soap and warm water. Clean spills and drips while still wet with soap and warm water. Dispose of container and contents in accordance with local laws and regulations.

HANDLING: Use only in well-ventilated areas. Store away from food. Protect from humidity and water. Keep container tightly sealed. Irritating to eyes, skin and mucus membranes. Do not breathe mixed product vapors or dust. May cause sensitization by prolonged skin contact and/or inhalation.

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

This product is not designed for immersion or any use where moisture can reach the underside of the coating. Do not apply to floors that have been treated with curing compounds (unless completely removed) or substrates that are less than 30 days old. Do not use on vinyl, asphalt, glazed tile, paving brick, quarry tile, Mexican tile or similar materials. Do not apply if surface temperature is below 10°C (50°F).

MAINTENANCE AND CARE

SEAL-KRETE Industrial Coating Systems are monolithic, making them easier to clean because dirt and contaminants remain on the surface.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Toxic to aquatic life with long-lasting effects. **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.*

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MATERIAL PROPERTIES AT 23.9°C (75°F)

Mixed VOC Content	< 275 g/L*
Mix Ratio (A:B; by volume)	3:1
Tack Free Time	4 hours
Recoat Time (min/max)	4-8 hours/24 hours
Light Foot Traffic	24 hours
Vehicular Traffic	72 hours
ASTM D-4366 – Konig Hardness	75
ASTM D-4060 – Abrasion Resistance (CS-17)	11 mg loss
ASTM D-4541 – Adhesion Strength	4.14 MPa (600 psi)

*EPA Method 24 – Floor Category

CHEMICAL RESISTANCE – ASTM D-1308

Animal Urine	Y	Mustard (Raye's®)	Y*
Antifreeze (Prestone®)	Y	Orange Juice	Y
Bleach (Clorox®)	Y	Phosphoric Acid 10%	Y
Calcium Chloride	Y	Sodium Hydroxide 50% (Caustic Soda)	Y
Cooking Oil (Peanut, Olive, Canola)	Y	Sulfuric Acid 10%	Y
De-Icing Salts	Y	Trisodium Phosphate (TSP)	Y
Detergents	Y	Water	Y
Gasoline	Y	Windshield Wiper Fluid	Y
Hydrochloric Acid 10%	Y	Xylene	Y
Motor Oil	Y		

Key: Y = RESISTANT N = NOT RECOMMENDED

*Will stain unless immediately removed

COVERAGE GUIDE

Steps	Coverage			
	Roller Size	m2 / L (sq. ft./ Gal)	Mils (Microns) Wet	Dry
Coat 1	10 mm (3/8") woven nap	6.14 (250)	6.4 (160)	3.9 (97.5)
Coat 2	10 mm (3/8") woven nap	9.8 (400)	4.0 (100)	2.4 (60)

Coverage rates are approximate and for estimating purposes only. Surface temperature, porosity, texture and thickness will determine actual material requirements.

TOPCOATS

- Dura-Shell WB Matte and Gloss
- Poly-Shell 7000 Satin and Gloss
- Epoxy-Shell 1000
- Epoxy-Shell WB 250 Clear

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 the product 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 hp.seal-krete.com.

MADE IN U.S.A.

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