



Surface-Shell™ Cove Base

PRODUCT DESCRIPTION

SEAL-KRETE Surface-Shell Cove Base is a polyurethane modified concrete cove base, applied by trowel. It can be installed at a depth of 1/8" (3.175 mm) in a single lift or at greater thicknesses in multiple lifts. It is extremely tough and has physical properties that exceed those of typical concrete.

Coverage

Theoretical Coverage Per Coat			
3/8" (9.525 mm) radius		3/16" (4.763 mm) radius	
4" (101.6 mm)	20 lin. ft. (6.1 m)	4" (101.6 mm)	40 lin. ft. (12.2 m)
6" (152.4 mm)	13 lin. ft. (4 m)	6" (152.4 mm)	26.5 lin. ft. (8.1 m)
8" (203.2 mm)	10 lin. ft. (3 m)	8" (203.2 mm)	20 lin. ft. (6.1 m)

**Substrate condition, application and waste may vary and can affect coverage.*

Packaging

- 3-Part Kit Item #571000
 - Part A: 1 Quart (.94 L)
 - Part B: 1 Quart (.94 L)
 - Part C: 24 lb (10.89 kg)
 - Part D: Colorant .42 lb (190 g)
- Black #571001
- Blue #571002
- Gray #571006*
- Green #571007
- Red #571008*
- *Stock Colors

Approved Top Coats

- Poly-Shell 7000 High Gloss
 - Clear 2-Gallon Kit, Item #243002
 - Clear 10-Gallon Kit, Item #243002
 - 8 – Color Packs to match Surface-Shell HP (32 oz each)
 - Black #573001 Blue #573002
 - Gray #573006 Red #573008
 - Green #573007
- Epoxy-Shell 1000 SL
 - Clear 3-Gallon Kit Item #231003
 - Clear 15-Gallon Kit Item #231005
 - 8 - Colored Kits to match Surface-Shell HP (1.5-Gallon)
 - Black #572001 Blue #572002
 - Gray #572006 Red #572008
 - Green #572007

Shelf Life (with proper storage)

- Parts A & C: 6 months
- Part B: 1 year
- Part D: 5 years

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

Use to protect drains, tank bases, pumps, containment pits, curbs, and other vertical surfaces

- Where severe conditions exist – high impact pressure, thermal shock, and chemical exposure

- Chemical processing facilities
- Meat, poultry, and dairy plants
- Bakeries
- Food warehouses
- Precious-metal refineries
- Pharmaceutical facilities
- Freezers and refrigerated storage areas

Location

- Interior applications unless top coated with pigmented SEAL-KRETE Poly-Shell 7000

Substrate

- Over new and existing concrete; when applying over other substrates, contact SEAL-KRETE Technical Service

FEATURES

- Fast curing
- Unaffected by freeze-thaw cycles
- Solvent free
- Excellent impact and abrasion resistance
- Wide temperature service range from -50° to 210°F (-45° to 100°C)
- Chemical resistant
- Self-priming when applied over bare concrete
- Extremely high bond strength
- Coefficient of thermal expansion similar to concrete
- Ability to serve as a general purpose crack repair
- Topcoats available in matching colors

BENEFITS

- Exceeds the performance of typical epoxy overlays
- Resistant to continuous hot-water cleaning
- 48-hours installation time
- Low odor; VOC compliant
- Speeds application time
- Tenacious adhesion
- Tolerates organic and inorganic acids, alkalis and salts
- Accelerates work schedules



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TECHNICAL DATA COMPOSITION

SEAL-KRETE Surface-Shell Cove Base is a four-component polyurethane-concrete.

COMPLIANCES

- USDA accepted for use in federally inspected meat and poultry plants in the USA.

SEAL-KRETE Surface-Shell Cove Base Polyurethane Modified Concrete for Forming Cove Bases and Renovating Walls

	Results	Test Methods
Compressive Strength @ 30 days, psi (kPa)	4,500 (31,027.5)	ASTM C 579
Tensile Strength, psi (kPa)	615 (4,240)	ASTM C 307
Coefficient of thermal expansion, in/in/°F (cm/cm/°C)	1.5 x 10 ⁻⁵	ASTM C 531
Density	18.39 lb/gal (8.34 kg/gal)	ASTM G 21
Resistance to fungi growth	Passes, rating of one	ASTM G 21
Compressive modulus, psi (kPa)	1,170 (8,067)	ASTM C 469
Flexural strength, psi (kPa)	1,520 (10,480)	ASTM C 580
Modulus of elasticity, psi (kPa)	1,170 (8,067)	ASTM C 469
Water absorption, %	<0.1	ASTM C 413
Abrasion resistance, gloss; CS-17 wheel, 1000 cycles	0.07 mg	ASTM D 4060
Adhesion, psi (kPa)	400 Cohesive/adhesive failure (2,758)	ASTM D 4541

ASTM D 1308 Chemical Resistance

SEAL-KRETE Surface-Shell Cove Base will resist exposure for up to 7 days at 72°F (22°C) for the following chemicals.

- Resistant to 35% hydrochloric, 50% phosphoric and up to 30% sulfuric acid
- Potassium hydroxide up to a 50% concentration
- Acetic, formic, citric and uric acid up to 30% solutions
- Fats, oils, and sugars
- Mineral oils, diesel fuel, kerosene, and gasoline
- IPA, xylene, toluene, MEK

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.

