



KINGDOM CURE

SLOW-DRYING, UV RESISTANT, ACRYLIC CO-POLYMER CONCRETE SEALER TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Kingdom Cure is a slow-drying, UV resistant, solvent-based acrylic copolymer concrete sealer intended for all types of concrete. **Kingdom Cure** offers improved resistance to rain, sun, freezing temperatures, stains and other pollutants that sometimes can be hazardous to concrete. **Kingdom Cure** forms a superior moisture retentive film on freshly placed concrete and provides excellent protection & color enhancement for decorative concrete. **Kingdom Cure** can be used as a curing and sealing compound as well as a dust-proofer for concrete surfaces. Apply to exposed aggregate to help eliminate loose pebbles and premature wear. **Kingdom Cure's** slow-dry formula is perfect for high temperature regions or to combat sealer issues during seasonal high temperatures.

BENEFITS/FEATURES

- Provides dustproofing
- Excellent Penetration & Adhesion
- Darkens and enhances decorative concrete
- Use on Green or Cured Concrete
- Non-Yellowing - UV Stable
- Slow Drying
- High Gloss

RECOMMENDED APPLICATIONS

- Effective on various types of concrete surfaces:
- Broom Finished
 - Smooth Trowel
 - Overlaid/Microtopped
 - Stenciled
 - Exposed Aggregate
 - Acid Stained
 - Stamped

APPROXIMATE COVERAGE RATES

Application Surface	First Coat	Second Coat
Fresh Concrete (<i>green-same day</i>)	250-350 sq ft/gallon	<i>not recommended</i>
Cured Decorative Concrete	250-350 sq ft/gallon	350-400 sq ft/gallon

**Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.*

TECHNICAL INFORMATION

Solids.....	25%	Wet Appearance.....	Clear (may show slight haze)
Drying Time (Tack-Free).....	30 min - 1 hour	Dry Appearance.....	Clear with Medium/High Gloss
Drying Time (Foot Traffic).....	4 - 6 hours	VOC Content.....	<350 g/l
Drying Time (Heavy Traffic).....	24 - 48 hours	Concrete Adhesion.....	Excellent
Re-Coat Window.....	4 - 24 hours	Application Temp.....	50°F - 80°F
Full Cure.....	7 Days		

***Please note that low air and/or concrete temperatures and/or relative humidity will affect all drying times. Information above is based on lab temperatures of 70°F - 72°F @ 50% RH.*

SPECIFICATIONS/COMPLIANCES

ASTM C-309, Type 1, Class A & B - ASTM C-1315, Type 1, Class A - AASHTO M-148, Type 1, Class A & B - Dried Coating is USDA Accepted - Meets OTC, CARB & LADCO VOC Restrictions.

SHELF LIFE

Kingdom Cure has a shelf life of up to one year from manufacture date, in its original, unopened container stored at room temperature.

PACKAGING

Kingdom Cure is packaged in 1 gallon, 5 gallon and 55 gallon units.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending upon porosity, density, texture etc. When applying, do not exceed 400 sq ft per gallon. Applying too thin may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

SURFACE PREPARATION: Concrete surface must be clean and free of all contaminants and water. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and premature delamination and failure. **Kingdom Cure** be applied to freshly placed concrete surfaces when still damp (but not wet). Substrate temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Apply on cool, overcast days to avoid issues. Do not apply if the temperature is supposed to achieve 85°F or higher. Do not apply if rain is forecast within 24 hours

MIXING: Stir well before using. Material may separate during long term storage.

APPLICATION: Apply using an 3/8" - 1/2" nap roller cover using long even uniform strokes at 250-400 square feet per gallon depending on porosity and texture of substrate. A solvent resistant, pump sprayer containing a .375 fan tip size is recommended. Do Not Allow to Puddle! Thick or puddle areas may prevent the solvent from evaporating and may be susceptible to moisture intrusion which may cause milky white spots. Applying too thin may cause sealer to delaminate, flake or wear away. Allow sealer to dry for 24 hours for light traffic and at least 48 hours for heavy traffic. If applying two coats, wait approximately 4 – 6 hours between coats. **FOR PERSONAL PROTECTION, WEAR GLOVES, GOGGLES AND RESPIRATORS.** When using as a cure & seal, apply only one coat to meet specifications.

RESEAL: Clean the surface thoroughly with clean water and a mild detergent or *Kingdom Products' Majestic Concrete Surface Prep*, coupled with agitation, to ensure that the surface is free of all bond breaking contaminants. Allow the surface to dry completely. Spray and/or roller apply *Acetone* or a *VOC compliant solvent* to the entire surface. This will soften the existing sealer and allow for a better bond with the new sealer. If your sealer has worn unevenly, take this opportunity to spread sealer into areas that have none, reapplying *solvent* as necessary to keep the sealer liquefied. Allow the surface to dry for approximately 2-4 hours and if needed apply sealer as directed above.

CLEAN-UP & PRODUCT REMOVAL

Use Xylene. Dispose of containers in accordance with local, state and federal regulations. Dried, cured sealer may be removed with a commercial paint stripper such as *Kingdom Products' Nock-Off*, or by using a diamond grinding method, sandblasting method or similar mechanical action.

PRECAUTIONS AND LIMITATIONS

- **Kingdom Cure** will not freeze during storage, however allow temperature to rise to 50°F prior to application.
- Block all HVAC ventilation ducts prior to application to eliminate distribution of solvent fumes.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply **Kingdom Cure** over carpet, tile or other types of floor adhesives.
- **Kingdom Cure** performs best when applied as one or two light coats, not one heavy coat. And when used as a cure & seal, should be applied in one light coat only.
- Please be aware that when cured, this product may be slippery when wet. Consider an anti-skid additive like *Kingdom Products' Sure-Grip* to reduce slip hazards.
- **Kingdom Cure** is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin **Kingdom Cure**. Improper thinning may cause sealer to delaminate in a short time frame.
- **Kingdom Cure** will darken the surface of many new & existing concrete slabs and is not recommended for use on flatwork more than one day old as Solvent based sealers will highlight finishing marks in the concrete giving the surface a splotchy appearance. Test prior to use.
- Solvent vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS), Technical Data Sheet (TDS) and Warranty information prior to use.
FOR PROFESSIONAL USE ONLY!