

SURFKOAT

Surface Coatings, Inc.
Manufacturers of Industrial and Decorative Concrete Materials

Technical Data Sheet

TEMP-CURE

dissipating water based concrete curing compound

CONCRETE CURE & SEALS



Temp-Cure is a clear, water based curing compound for concrete. Temp-Cure efficiently cures concrete and then decomposes rapidly when exposed to ultraviolet light, sunlight and abrasion. Temp-Cure is VOC compliant and an excellent alternative harsh smelling solvent based dissipating curing compounds.

Key Features & Typical Benefits

- Excellent moisture retention for proper curing of concrete.
- Protects new slabs from construction dirt and stains.
- Economical and easy to apply with standard equipment.
- Milky white during application to easily gauge proper coverage rates.
- When cured, amber color aids in assuring complete removal of membrane.

Recommended Applications

- Effective on applications such as...
- Interior or exterior, horizontal and vertical concrete
 - Floors scheduled to receive subsequent treatments of dustproofers, liquid hardeners and densifiers or penetrating water repellents
 - Slabs designed for polymer coatings, such as epoxies or urethanes, paints, sealers, thin set mortars or flooring adhesives
 - Walls where a waterproof or decorative coating will be applied



Specifications / Compliances

- ASTM C-309, Type 1 or 1D, Class A & B
- AASHTO M-148, Type 1 or 1D, Class A & B
- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	N/A
Dry Time - Tack Free	1 - 2 hours
Dry Time - Foot Traffic	4 hours - 6 hours
Dry Time - Heavy Traffic	24 hours - 48 hours
Re-Coat Time Window	N/A
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 350 grams/Liter
Appearance - Wet	Milky White
Appearance - Dry	Clear / Slight Amber

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

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Refer to technical data and msds prior to use.

Temp-Cure

Application Instructions

SURFACE PREP: Concrete surface must be clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and have premature de-lamination and failure. May be applied when damp (not "wet") to freshly placed concrete surfaces as a cure & seal. Test in inconspicuous area prior to use.

Substrate and air 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. Note that in direct sunlight, substrate temperature can exceed 150° F which can cause extreme bubbling issues.

MIXING: Although not necessary, we recommend lightly stirring prior to using. Material may separate during long term storage. Do not dilute.

COVERAGE RATE: *First Coat*: 200 - 250 ft² per gallon*

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

APPLICATION: Apply using a low pressure airless sprayer equipped with a fan tip, or by using a short nap 18" roller. If applying via low pressure airless sprayer, hold sprayer tip approximately 6-8" from the concrete's surface. Apply in a uniform fashion leaving no gaps or pinholes but avoiding puddles. Note: Temp-Cure is white when applied but does dry to a clear film within as little as one hour.

Apply only one coat to meet specifications. Extreme bubbling and/or hazing may occur due to lack of permeability.

REMOVAL: Concrete should be allowed to cure for a minimum of 28 days. Complete removal of the curing membrane is normally required prior to application of penetrating or surface treatments, thin set mortars or floor covering adhesives. Areas exposed to abrasive traffic and sunlight may be cleaned with a low pressure washer, less than 2,000 psi and a mechanical scrubber fitted with stiff bristle brushes. Particular attention should be given to areas around columns and near walls where shadows or a lack of foot traffic have not assisted in breaking down the curing membrane. For best results on floors and walls not subjected to traffic and sunlight, use high pressure water blast, a light sand blasting or shot blasting to remove Temp-Cure. This ensures that the pores and capillaries are clean and free of any material which would inhibit bond or penetration of subsequent coatings or treatments.

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 on porosity, density, texture etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

Precautions and Limitations

- This product may freeze during storage or transportation. Freezing may damage sealer. Do not allow to freeze!
- Do not apply at surface or ambient temperatures below 45°F.
- Do not use on surfaces to receive concrete overlays, thin set mortars, toppings, sealers, paints or adhesives unless planning to remove the curing membrane.
- Should not be used as a bond breaker for tilt-up construction.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin material. Improper thinning may cause sealer to not perform adequately.
- This product may slightly change the surface of a new and existing concrete slabs. Test prior to use.

CLEAN-UP: Use soap and warm water. Dispose of containers in accordance with local, state and federal regulations.

PRODUCT REMOVAL: Refer to instructions above.

SHELF LIFE: Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING: Available in 5 gallon and 55 gallon containers.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.