

SURFKOAT.

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

Technical Data Sheet

AQUA CURE 21

UV resistant, water based cure & seal

CONCRETE CURE & SEALS



Aqua Cure 21 is a low odor, low VOC, non-yellowing, water based product designed for curing and sealing applications. Aqua Cure 21 is a breathable coating that provides a low or medium gloss finish to a multitude of interior & exterior horizontal or vertical concrete and masonry finishes. Aqua Cure 21 is self-crosslinking, which provides better film formation, early water resistance, adhesion, toughness and outstanding efflorescence and alkali resistance.



Specifications / Compliances

- ASTM C-309, Type 1, Class A & B
- AASHTO M-148, Type 1, Class A & B
- Classified in Table 1.1, ACI Standard 302
- Corps of Engineers CRD-C304, Type 1 Class A & B
- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

Key Features & Typical Benefits

- Can be applied to green concrete.
- Provides enhanced performance for better flexibility, chemical resistance, non-blushing, adhesion, durability and hot tire resistance.
- Perfect for low ventilated areas where low VOC's and low odor are required.
- Non-Yellowing formula assures product's superior resistance to the elements.
- Deep penetrating and ultra low viscosity formula allows for easy application through sprayers.

Recommended Applications

Effective on applications such as...

- Driveways
- Building Slabs
- Patios
- Smooth Trowel Concrete
- Broom Finish Concrete
- Most other new interior and exterior concrete surfaces

Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	21% +/- 1%
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	4 - 24 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 100 grams/Liter
Appearance - Wet	Milky White
Appearance - Dry	Clear and Low/Medium Gloss

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.

Aqua Cure 21

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 delamination and failure. May be applied when damp (not "wet") to freshly placed concrete surfaces as a cure & seal. Horizontal surfaces must be finished and show no "sheen" from bleed water.

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

COVERAGE RATE: *First Coat* : 250 - 350 ft² per gallon* *Optional Second Coat* : 350 - 400 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 an 3/8" long nap roller cover using long even uniform strokes at approximately 250-400 square feet per gallon depending on porosity and texture of substrate. An airless sprayer containing a .519 tip size may be used as well. 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 prematurely 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.

When using as a cure & seal, apply only one coat to meet specifications. Extreme bubbling and/or hazing may occur due to lack of permeability.

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 will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- Do not allow this product to be subjected to any form of rain or moisture for 18-24 hours after application.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many 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: Dried, cured sealer may be removed with a commercial paint stripper, such as *Nock-Off* or by using a diamond grinding method, sandblasting method or similar mechanical action.

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

PACKAGING: Available in 1 gallon, 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.