

# AQUA CURE 21 - 100

PRODUCT CODE: 001-AQC21

**NON-YELLOWING, PENETRATING, WATER BASED CURE & SEAL COMPOUND. LESS THAN 100 VOC.**

## PRODUCT DESCRIPTION

**AQUA CURE 21 - 100** is a non-yellowing, Water Based acrylic curing & sealing compound with less than 100 VOC. **AQUA CURE 21 - 100** is a penetrating and breathable coating that provides a satin or low gloss finish to a multitude of interior & exterior horizontal or vertical concrete and masonry finishes. **AQUA CURE 21 - 100** is self-crosslinking, which provides better film formation, early water resistance, adhesion, toughness and outstanding efflorescence and alkali resistance. It can be applied to green concrete. **AQUA CURE 21 - 100** provides enhanced performance over traditional acrylics with better flexibility, chemical resistance, non-blushing, adhesion, durability and hot tire resistance.

## BENEFITS/FEATURES

- ◆ Perfect for low ventilated areas where low VOC's and no fumes 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
- ◆ Superior efflorescence and alkali resistance compared to common solvent based acrylic sealers.

## RECOMMENDED APPLICATIONS

**AQUA CURE 21 - 100** is recommended for interior & exterior freshly placed, finished, and aged concrete where a penetrating, low-gloss water based curing and sealing compound is specified.

## TECHNICAL INFORMATION

Solids.....	21%	Wet Appearance.....	Milky White
Drying Time.....	1 - 2 hours	Dry Appearance.....	Clear and Satin Gloss
Re-Coat Time.....	4 - 24 hours	VOC Content.....	<100 g/l
Foot Traffic.....	4 - 6 hours	Blush Resistance.....	Good
Wheel Traffic.....	24 - 48 hours	Solvent Resistance.....	Superior
Application Temp.....	50°F - 85°F	Concrete Adhesion.....	Excellent

\*\*\*Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

## SPECIFICATIONS/COMPLIANCES

Classified in Table 1.1, ACI Standard 302

ASTM C 309, Type 1, Class A & B

Corps of Engineers CRD-C304, Type 1 Class A & B

AASHTO M-148

## APPROXIMATE COVERAGE RATES

<u>Application Surface</u>	<u>First Coat</u>	<u>Optional Second Coat</u>
New (unsealed) concrete	250-350 ft <sup>2</sup>	350-400 ft <sup>2</sup>
Old (sealed) concrete	350-400 ft <sup>2</sup>	350-400 ft <sup>2</sup>

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

## SHELF LIFE

**AQUA CURE 21 - 100** has a shelf life of up to one year in it's original, sealed, unopened container.

## PACKAGING

**AQUA CURE 21 - 100** is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

**SURFKOAT™**

## SURFACE KOATINGS, INC.

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CURE & SEALS

AQUA CURE 21 - 100

## INSTRUCTIONS FOR USE

**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.

Substrate temperature must be no less than 40 degrees F and not exceed 80 degrees F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing.

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

**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.

**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.**

## CLEAN-UP

Use soap and warm water. Dispose of containers in accordance with local 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.

## PRECAUTIONS AND LIMITATIONS

- ▶ **AQUA CURE 21 - 100** will freeze during storage. Do not store in areas where temperatures will drop below 32 degrees F.
- ▶ It is recommended to store this product in an area where the temperature is between 50 and 80 degrees F.
- ▶ Do not allow **AQUA CURE 21 - 100** to be subject to any form of rain or moisture for 18-24 hours after application.
- ▶ It is not recommended to apply **AQUA CURE 21 - 100** over carpet, tile, and other types of floor adhesives.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **AQUA CURE 21 - 100** was designed for curing and sealing applications and to be applied in one-two thin coats, not one thick coat.
- ▶ Please be aware that this product when cured may be slippery when wet.
- ▶ **AQUA CURE 21 - 100** should never be thinned or mixed with any form liquid or solvent.
- ▶ It is not recommended to thin **AQUA CURE 21 - 100**. Improper thinning may cause sealer to delaminate in a short time frame.
- ▶ **AQUA CURE 21 - 100** may slightly darken the surface of many new and existing concrete slabs. Test prior to use.

## SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-323-9461.

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