

PRODUCT DESCRIPTION

SIMIRON CURE & SEAL is a high-solids, water-based curing and sealing compound. As a sealer, **SIMIRON CURE & SEAL** is non-yellowing and blush resistant to provide a semi-gloss finish on concrete substrates. The self-crosslinking emulsion chemistry, offers a durable film and early water-resistance to whitening or blistering. **SIMIRON CURE & SEAL** can transform interior, exterior, horizontal and vertical surfaces.

SIMIRON CURE & SEAL improves resistance to contaminants, stains and abrasion due to its durable film which bonds to clean concrete easily. **SIMIRON CURE & SEAL** allows for increased protection to properly prepared surfaces.

The self-crosslinking chemistry feature of **SIMIRON CURE & SEAL** takes the easy-to-spray, pure acrylic polymer solution and turns it into a hard, clear resin film that resists abrasion and staining.

APPLICATIONS

SIMIRON CURE & SEAL is used to seal new and old concrete surfaces including decorative, colored, and stamped concrete. Also, it can seal exposed aggregate, brick pavers and other concrete surfaces.

SPECIFICATION DESCRIPTION

SIMIRON CURE & SEAL passes testing performed in accordance with ASTM C309-11 *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*.

FEATURES & BENEFITS

- Non-Blushing Formula
- Non-Yellowing
- Resists Black Tire Marks
- Low Odor
- Low VOC
- Indoor and Outdoor Use

RECOMMENDED USES

- Freshly Placed Concrete
- Existing Concrete
- Decorative Concrete
- Brick Pavers
- Exposed Aggregate
- Concrete walls

LIMITATIONS

Avoid heavy applications to allow proper film formation.

For proper film development, apply only when the surface temperature is over 40°F (4°C) and the relative humidity is below 80%.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

TECHNICAL DATA

Applicable Standard: ASTM C309-11

SIMIRON CURE & SEAL passes testing performed in accordance with ASTM C309-11 *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*.

PHYSICAL PERFORMANCE PROPERTIES

Color	Milky white liquid, dries clear
Weight Solids %	26.49%
Volume Solids %	25.40%
Weight/Gallon (lbs/gal)	8.57
VOC: EPA Test Method 24	49.52 g/L (0.41 lbs./gal)
pH	8.5 - 9.5
Gloss @ 60/20 (2 coats)	72/18
Hardness - König hardness (1/7 day)	25/50
Concrete Crosshatch Adhesion (dry/wet) (1 day)	5B/5B
Low-temperature cure @ 40°F	Pass
Alkali Resistance (number of hours, Method #6081, minimum)	>75 hours
Ultraviolet Resistance 1000 hours QUV	no yellowing
Salt Spray 5% Resistance	>750 hours
Early Water Resistance	2 hours

TECHNICAL DATA

Chemical Resistance ASTM D1308

CHEMICAL	RESULTS
Water	No effect
Transmission Fluid	No effect
3W-30 Motor Oil	No effect
Power Steering Fluid	No effect
Window Cleaner	Slight Softening/Blue Ring
Heavy Duty Cleaner	Slight Softening/Whitening
Gasoline	No effect
Diesel Fuel	No effect
Wheel & Tire Cleaner	No effect
Brake Fluid	Softening

INSTALLATION

FRESHLY PLACED CONCRETE

Surface must be finished to specified requirements prior to the application of **SIMIRON CURE & SEAL**. Apply one uniform coat with low pressure spray and/or roller after surface water glaze has disappeared. Do not dilute or puddle. A second sealing coat may be applied 1–2 hours afterward. Apply to freshly poured concrete after surface water has evaporated. (Too much surface water can be detrimental to proper film formation.)

EXISTING CONCRETE

Surface must be degreased and cleaned of all contaminants prior to the application of **SIMIRON CURE & SEAL**. After area is completely dry, apply one or two uniform coats low pressure spray and/or roller. Allow first coat to dry 1–2 hours before applying the second coat.

APPROXIMATE COVERAGE

Coverage rate determines surface porosity. For best results:

First coat: 200–400 ft²/gal (4.9 to 9.8 m²/L)
Second coat: 400–600 ft²/gal (9.8 to 14.7 m²/L)
Decorative concrete: 300 ft²/gal (7.3 m²/L)

DRYING TIME

Touch: 45–60 min
Recoat Time: 1–2 hours
Foot traffic: 3–4 hours.
Vehicle Traffic: 24 hours (when re-sealing driveways)

CLEAN UP

Clean tools and applicator equipment with warm water before sealer dries. After it dries, use aromatic solvent. Be sure to follow solvent manufactures safety information.

SHELF LIFE AND STORAGE

Keep containers tightly sealed. **DO NOT FREEZE**. Store above 40°F (4°C). Stir well before use to combat any settlement due to storage. One-year shelf life when properly stored in factory-sealed containers.

MAINTENANCE

To maintain the appearance for long-term performance and life expectancy of the newly sealed surface it is imperative to continue routine maintenance program. Each sealer type, traffic and other conditions require a certain routine maintenance program. To increase the life of the floor use inside and outside walk-off mats. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time. Reapplication may be necessary in heavy traffic areas with greater frequency. Periodic light applications are recommended to maintain gloss and protection.

PACKAGING

Size	Item Number
1 Gal (3.8 L)	40004323
5 Gal (19 L)	40004330



CURE & SEAL

PRODUCT DATA SHEET
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Version 001
30000227

TECHNICAL ASSISTANCE

Information is available by calling SIMIRON:
Toll Free: 1.866.515.8775 / Telephone: +1.248.686.3600



TECHNICAL & SAFETY LITERATURE

To acquire additional information or technical and safety literature, please visit: www.simiron.com

LIMITED WARRANTY

SIMIRON warrants this product to be free from defect in the material that affects its performance for a period of 1 year (from date of purchase). SIMIRON will replace at no charge the quantity of the Coating that SIMIRON determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded.



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