



SEAL N KURE

ASTM C 309 Compliant Acrylic Curing and Sealing Compound

1. Product Description

a. **Basic Use:** Seal N Kure is an acrylic-based liquid designed to be applied as a thin membrane over new, green concrete to provide proper curing. Because it holds in the proper amount of moisture, concrete will achieve its utmost potential in terms of strength, wear resistance, durability, and water tightness. Seal N Kure forms a glossy film that is resistant to ultraviolet discoloring.

b. Features/Benefits:

- Cures, seals, hardens and dustproofs in one operation.
- Forms a continuous film which resists yellowing.
- Good for both inside and outside use.
- Can be applied on horizontal and vertical surfaces.
- Helps concrete to achieve increased resistance to freeze/thaw cycling and salt penetration.
- Able to be sprayed or rolled.
- Protects concrete during construction.
- Can be used as a sealer over old concrete for anti-spalling protection.

c. **Typical Applications:** Floors, pavements, walls, exposed aggregate, curbs, sidewalks, parking lots, warehouses, parking garages and colored concrete.

d. **Limitations:** Do not use Seal N Kure below 32°F (0°C). Applicators should wear protective masks designed for solvent fumes. Use in a well ventilated area. Keep away from open flames. Do not use over concrete to receive coatings or toppings later. For water-based, VOC compliant material, see Metcure.

e. **Composition:** Seal N Kure is an acrylic resin formulated with hydrocarbon solvent and proprietary chemical additives.

f. **Color/Appearance:** Seal N Kure forms a clear, glossy film. For best clarity, avoid heavy build-ups.

2. Packaging

Seal N Kure is packaged in 1-gal. (3.8 liter) cans (4 cans per case), 5-gal. (18.9 liter) pails, and 55-gal. (208 liter) drums.

3. Estimating/Coverage

Coverage rates will depend on the surface texture of the concrete as well as concrete porosity. Approximate rates are:

Use	Broom or Float Finish	Trowel/Smooth Finish
Curing/Sealing Green Concrete	200 sq. ft./gal (4.9 sq. m/liter)	250 sq. ft./gal (6.1 sq. m/liter).
Sealing/Dustproofing Old Concrete	225 sq. ft./gal (5.5 sq. m/liter)	275 sq. ft./gal. (6.7 sq. m/liter)
Anti-Spall Treatment	200 sq. ft./gal. (4.9 sq. m/liter)	N/A

Two coats may be applied where extra protection is desired. Heavy build-ups should be avoided.

4. Technical Data

a. Applicable Standards:

- ASTM C 309, Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete, Type I, Class A & B.
- AASHTO M-148, Type 1, Class A & B.

b. Solids: 10% - 17%

c. Drying Time: 1 hour.

d. Re-Coat Time: 2 to 3 hours.

e. Dry Film Thickness: 1 mil (0.03 mm) at 200 sq. ft./gal. (4.9 sq. m/liter).

f. Flash Point: 108°F (42°C).

g. Ultraviolet Resistance: Excellent

h. Adhesion to Concrete: Excellent

i. Alkali Resistance: Excellent

j. Blush Resistance: Excellent

k. Acid Resistance: Good

l. Solvent Resistance: Poor

m. Compatibility: When applying under adhesives or glues, check for compatibility with a small test area, or contact Metalcrete Industries for guidance.

5. Directions for Use

a. **Preparation:** Green concrete must be firm and free of any standing bleed water. Old concrete must be clean and free of oil, grease, and loose debris. Vacuum, sweep or power wash to produce a clean surface. Allow to dry. Remove any previously applied paint or coatings.

b. **Ambient Conditions:** Concrete and air temperatures must be 32°F (0°C) or higher.

c. **Material Application:** Seal N Kure may be applied by roller, sprayer (hand or power) or lambs wool applicator. Use directly out of container and apply uniformly and evenly. Avoid heavy build up. Lap material within 15 minutes for best results. Follow recommended coverage rates.

d. **Clean-Up:** Use DL Solvent to clean up tools and equipment.

e. **Storage/Shelf Life:** Seal N Kure is classified as combustible and should be stored accordingly. Shelf life is 18 months.

f. **Maintenance:** Seal N Kure will wear off over time under traffic. Periodic reapplication is recommended.

6. Availability

Seal N Kure is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Seal N Kure is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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