



SEAL N KURE FDR

*ASTM C 309 Compliant
Film Dissipating Resin
Acrylic Curing Compound*

1. Product Description

a. **Basic Use:** Seal N Kure FDR is an acrylic-based liquid designed to be applied as a thin membrane over new, green concrete to provide proper curing. The Seal N Kure FDR membrane will chemically react and begin to lose bond with the base concrete after a two to four week period. 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.

b. Features/Benefits:

- Cures concrete and allows for subsequent application of sealers, coatings or toppings.
- Film wears away under normal construction traffic and exposure to ultraviolet light.
- Cures, hardens and dustproofs in one operation.
- Available in colored formulations.
- 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.

c. **Typical Applications:** For use over concrete to receive protective sealers, coatings and/or toppings. Floors, pavements, walls, exposed aggregate, curbs, sidewalks, parking lots, warehouses, parking garages and colored concrete.

d. **Limitations:** Do not use Seal N Kure FDR 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.

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

f. **Color/Appearance:** Seal N Kure FDR forms a glossy film for a period of about two weeks then begins to chemically break down.

2. Packaging

Seal N Kure FDR 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:

<i>Use</i>	<i>Broom or Float Finish</i>	<i>Trowel/Smooth Finish</i>
<i>Curing/Sealing</i>	<i>200 sq. ft./gal</i>	<i>250 sq. ft./gal</i>
<i>Green Concrete</i>	<i>(4.9 sq. m/liter)</i>	<i>(6.1 sq. m/liter)</i>

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%

c. **Drying Time:** 1 hour.

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

e. **Flash Point:** 108°F (42°C).

f. **Ultraviolet Resistance:** Excellent

g. **Adhesion to Concrete:** Excellent

h. **Alkali Resistance:** Excellent

i. **Blush Resistance:** Excellent

j. **Acid Resistance:** Good

k. **Solvent Resistance:** Poor

l. **Compatibility:** When applying under sealers, coatings, toppings, 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. Do not apply over concrete surfaces with laitance.

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

c. **Material Application:** Seal N Kure FDR 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 FDR is classified as combustible and should be stored accordingly. Shelf life is 18 months.

f. **Maintenance:** Seal N Kure FDR will wear off over a two to four week period under most construction-trade traffic. Periodic reapplication is not recommended.

g. **Subsequent Application:** Thorough sweeping or cleaning of the Seal N Kure FDR base concrete is required to insure proper adhesion of subsequent applications of protective sealers, coatings or other toppings. Where bond or adhesion is critical, a test area is recommended.

6. Availability

Seal N Kure FDR 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 FDR 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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