



METCURE

ASTM C 309 Compliant Water-Based Acrylic Curing and Sealing Compound

1. Product Description:

a. **Basic Use:** Metcure is a water-based, VOC compliant acrylic designed for use as a curing and sealing compound over new and old concrete. It is safe to use and produces a continuous film which keeps moisture in green concrete for proper curing. Through proper concrete hydration, Metcure brings concrete to its fullest potential in terms of strength, durability and wear resistance. Better application is encouraged through user friendliness.

b. Features/Benefits:

- Easy and safe to use.
- Meets all VOC requirements for curing and sealing compounds.
- Promotes proper hydration of concrete.
- Cures, seals, hardens and dustproofs in one operation.
- Gives a clear film that is non-yellowing on exterior concrete.
- Adheres tenaciously to concrete.

c. **Typical Applications:** Floors, parking decks and ramps, curbs, sidewalks, walls, warehouses, exposed aggregate and colored concrete.

d. **Limitations:** Do not use Metcure at temperatures below 40°F (4°C). The material must be kept from freezing during storage and on the jobsite. Do not use over concrete to receive coatings or bonded toppings.

e. **Composition:** Metcure is a water-based solution formulated around an acrylic resin. Metcure contains special ingredients for proper drying and film formation.

f. **Color/Appearance:** Metcure appears as a milky white liquid in the container and as it is applied to concrete surfaces. As it dries, it turns to a clear, glossy membrane.

2. Packaging

Metcure 30 is packaged in 1-gal. (3.8 liter) jugs (4 jugs 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	200 sq. ft./gal. (4.9 sq. m/liter)	250 sq. ft./gal. (6.1 sq. m/liter)
Sealing/Dustproofing	225 sq. ft./gal. (5.5 sq. m/liter)	275 sq. ft./gal. (6.7 sq. m/liter)
Old Concrete		
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-up 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 B.
- Meets all current VOC regulations for curing compounds.

b. Solids: 10%

c. Drying Time: 90 minutes.

d. Re-Coat Time: 4 hours.

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

f. Ultraviolet Resistance: Excellent

g. Adhesion to Concrete: Excellent

h. Alkali Resistance: Excellent

i. Blush Resistance: Excellent

j. Acid Resistance: Good

k. Solvent Resistance: Fair

l. **Compatibility:** Check for compatibility with carpet or tile adhesives or glues. Most are compatible but a test area is recommended. Contact Metalcrete Industries for additional 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 40°F (4°C) or higher. High relative humidity or enclosed areas without air movement may extend drying times.

c. **Material Application:** Metcure 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:** Clean up tools and equipment with Waterzall Concentrate and water.

e. **Storage/Shelf Life:** Metcure is non-combustible and is stored safely in any heated warehouse. Do not allow to freeze in storage. Shelf life is one year.

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

6. Availability

Metcure 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

Metcure 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.



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