



# METCURE 30

*High Solids  
Water-Based Acrylic  
Curing and Sealing Compound*

## 1. Product Description

a. **Basic Use:** Metcure 30 is a high solids, water-based acrylic designed to give optimum curing and protection to green concrete of all types. When applied to new, green concrete, it gives an efficient moisture barrier even at high coverage rates that promotes proper concrete hydration. Metcure 30 allows concrete to develop its utmost potential in terms of strength gain, durability, water tightness, and wear resistance. Because Metcure 30 is VOC compliant, it is safe to use and invites more effective workmanship.

### b. Features/Benefits:

- High solids for the ultimate in curing efficiency.
- Extended coverage rates for economical use.
- Meets all VOC requirements for curing and sealing compounds.
- Provides curing, sealing, dustproofing, and hardening in one step.
- Increases concrete durability.
- Glossy, clear appearance that is non-yellowing.

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

d. **Limitations:** Do not use Metcure 30 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 30 is a water-based solution formulated around an acrylic resin. Metcure 30 contains special ingredients for proper drying and film formation.

f. **Color/Appearance:** Metcure 30 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:

<i>Use</i>	<i>Broom or Float Finish</i>	<i>Trowel/Smooth Finish</i>
<i>Curing/Sealing</i>	<i>375 sq. ft./gal.</i>	<i>450 sq. ft./gal.</i>
<i>Green Concrete</i>	<i>(9.2 sq. m/liter)</i>	<i>(11.0 sq. m/liter)</i>
<i>Sealing/Dustproofing</i>	<i>400 sq. ft./gal.</i>	<i>475 sq. ft./gal.</i>
<i>Old Concrete</i>	<i>(9.8 sq. m/liter)</i>	<i>(11.6 sq. m/liter)</i>
<i>Anti-Spall Treatment</i>	<i>300 sq. ft./gal.</i>	<i>N/A</i>
	<i>(7.4 sq. m/liter)</i>	

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.
- ASTM C-1315, Type 1, Class A.
- AASHTO M-148, Type 1, Class B.
- Federal Specification TTC-0800a, Type 1.

b. Solids: 30%

c. Drying Time: 90 minutes.

d. Re-Coat Time: 4 hours.

e. Dry Film Thickness: 1.5 mil (0.04 mm) at 375 sq. ft./gal. (9.2 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:** 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 40°F (4°C) or higher. High relative humidity or enclosed areas without air movement may extend drying times.

c. **Material Application:** Metcure 30 may be applied by roller, sprayer (hand or power) or lambs wool applicator. Use directly out of the 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 30 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 30 will wear off over time under traffic. Periodic reapplications are recommended.

## 6. Availability

Metcure 30 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 30 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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