



RMC 25 Cure Seal

TECHNICAL REPORT

25 Cure Seal sealer is a styrene-acrylate copolymer solution with UV Blockers and Light Stabilizers added to stop the yellowing process. 25 Cure Seal leaves a membrane which assists the curing of freshly placed concrete and achieves both a protective and decorative finish as well as full mix design properties.

25 Cure Seal coatings dry to a tough protective film that adheres well to metal, concrete, and other masonry surfaces. The coatings have excellent resistance to U.V., water, and a wide variety of chemicals. Typical properties of are given in Table I.

TABLE I

Typical properties of 25 Cure Seal

Form.....	Solution
Solids Content, %.....	25 +/- 1
Specific Gravity.....	0.92
Pounds/Gallon.....	7.67
Appearance.....	Amber liquid
Dry Time @ 73°F, 50% RH.....	< 1 hour
Foot traffic.....	4 hours
Auto traffic.....	72 hours
VOC content.....	<700 g/L
Adhesion to Concrete.....	Excellent
Alkali resistance.....	Excellent
Sward Hardness.....	60
Appearance of dry film.....	Colorless, Transparent

CHEMICAL RESISTANCE

The chemical resistance of RMC 25 CURE SEAL Non Yellowing to strong reagents after 24 hours of exposure was determined on 1-mil dry films that had been cast on glass plates. The observations appear in Table II.

Table II

Reagent Appearance

Acetic Acid, Glacial.....	Blistering
Hydrochloric Acid, Conc.....	Loss of gloss
Nitric Acid, Conc.....	Slight Blistering
Sulfuric Acid, Conc.....	No Change
Sodium Hydroxide, 50%.....	No Change
Gasoline.....	Softened
Motor Oil, SAE 20.....	No Change

SPECIFICATIONS

ASTM C-309, Type 1. Class A & B.....	Passes
ASTM C-1315.....	Passes
AASHTO Specification M-148.....	Passes
USDA	Passes
EPA 40 CFR Part D for Concrete curing & sealing...	Passes

APPLICATION

For curing fresh colored concrete in both residential and commercial decorative concrete applications. Applications include driveways, patios, walkways, cart paths and interior or exterior slabs.

Applied to existing colored concrete slab to renew seal and protect against moisture damage and stains.

How to Apply

Apply to the surface of concrete after bleed water and surface sheen has evaporated, finishing has been completed and a concrete has achieved an initial set. Use a brush, roller, or airless sprayer. Apply at a rate of 200-300 square feet per gallon.

Existing Colored Concrete

Surface must be clean of oil, grease, dust, dirt or foreign matter. Remove dusty surface with a light duty concrete cleaner or a safe acidic based concrete cleaning solution.

Curing

Light Foot Traffic: 4 Hours

Heavy Foot Traffic: 24 Hours

Vehicular Traffic: 72 Hours

Performance Tips:

-Thoroughly agitate RMC 25 Cure Seal before use.

-Not recommended for application below 50°F

-RMC 25 Cure Seal should not be applied if rain, dew or water exposure is expected within 24 hours of application.

-Over application will result in a thick coat that can look unnatural and could remain "tacky" when heated by sunlight.

-Puddles and drips should be wiped up before they dry.

-RMC 25 Cure Seal will not adhere properly to waxy, painted or otherwise sealed surfaces. Other curing agents are waxes and must be stripped completely before attempting to apply RMC Cure Seal 25.

-Test apply to small area. Let dry and approve results before proceeding.

WARRANTY DISCLAIMER

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