



REMR MATERIAL DATA SHEET CM-SE-1.14

CONCRETE SEALER: SC SEAL CURE

1. NAME

SC Seal Cure

Limitations: Apply in ventilated areas. Avoid prolonged contact with skin. Do not take internally. Do not expose to open flame.

2. MANUFACTURER

Tamms Industries Co.
1222 Ardmore Ave.
Itasca, IL 60143
Telephone: 312-773-2350

5. MANUFACTURER'S TECHNICAL DATA

The solution is of low viscosity and will penetrate the surface up to 1/8 in., subsequently providing protection for years after initial application.

3. DESCRIPTION

Acrylic polymer epoxy modified sealer.

It is compatible with and provides good adhesion for paints and tile adhesives (asphaltic cutback adhesive recommended) without further modification; it is compatible with joint sealants; it makes sandblasting unnecessary.

4. USES & LIMITATIONS

Uses: SC Seal Cure is formulated to seal, cure, and dustproof fresh concrete in one application. It also seals and dustproofs the surface of old concrete, thus extending its life. SC Seal Cure provides protection against sudden rain showers within 30 min after application. It is quick drying, thus preventing possible damage to freshly poured concrete. It provides a seal that is resistant to acid, alkali, grease, oil, water, and deicing salts.

SC Seal Cure minimizes hair cracking and spalling of horizontal and vertical concrete surfaces in both interior and exterior exposures. Typical applications include garages, offices, warehouses, plants, bridge decks, highways, parking decks, airport runways, and parking strips and hangers.

Packaging: 1- and 5-gal pail and 55-gal drums.

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Preparatory work: SC Seal Cure should be applied to green concrete as soon as the water sheen has disappeared from the surface and the concrete can be walked on or, for vertical surfaces, as soon as the forms have been stripped and the surface has been rubbed.

High flash point (minimum 110° F) lessens the hazards during application at ambient temperatures. SC Seal Cure is not a Red Label product.

For application to old concrete, SC Seal Cure should be applied only after all stains and foreign materials have been removed and the surface has been washed with a mild solution of muriatic acid. It should then be washed with water and thoroughly dried before applying SC Seal Cure.

Methods of application: SC Seal Cure may be applied to the surface by airless spray, brush, shortnap mohair roller, or sheepskin applicator.

Coverage: One gallon will cover 200 to 600 sq ft, depending upon surface texture and specification requirements.

7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 11.6%

Percent water absorption
(ambient temperature) (ASTM C 642):

1 day	1.62%
2 days	2.74%
4 days	3.78%
7 days	4.40%

Ratio of percent water absorption for
treated to nontreated specimen (2-day
submersion): 58.3%

Percent water transmission:

2 days	1.61%
4 days	2.20%
7 days	2.53%

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 71.7%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

Available in 1-gal, 5-gal, and 55-gal factory-sealed containers through distributors located throughout the United States. Costs should be obtained from the distributors.

10. TECHNICAL SERVICE

Information concerning technical service can be obtained by writing to the manufacturer at the address given in item 2 or by calling 312-773-2350.