

SuperSeal 350 VOC Plus

PRODUCT DESCRIPTION

Concrete Coatings' SuperSeal Curing is a blend of 100% methyl/methacrylate acrylic polymers used as a superior curing, sealing and protective compound for exposed aggregate, colored concrete and other decorative concrete and masonry surfaces.

Features:

- Coating dries clear and does not yellow with age or exposure to ultraviolet rays.
- Provides superior protection against freeze/thaw cycles, deicing salts, and chemical erosion and efflorescence.
- Reduces the possibility of aggregate popouts on exposed aggregate by percolating down and around the stones to fill gaps and voids.
- Forms a durable long-lasting film with resistance to water, chemicals, abrasion and stains.
- Highlights and preserves the natural pigments in the surface, adding longevity and sparkle to the finished product.
- Does not discolor with over-use.

USES:

Suitable for interior or exterior use on new or existing architectural concrete, burnish block, terrazzo, brick, stone, slate, quarry tile or other cementitious materials. Ideal for curing concrete, exposed aggregate and colored concrete surfaces, paving block, patio stone, driveways and garage.

APPLICATION PROCEDURES:

PREPARATION:

Surfaces must be clean, dry and free of form oils, grease, dust, frost and curing compounds (particularly wax based). Large areas may be blown dust free by compressed air, washed and let dry. Surface water must be allowed to completely dissipate before applying.

Exposed Aggregate Application Preparation - When applying to exposed aggregate as a curing compound, the surface should be washed with a mild acid solution to remove the thin film of cement dust, then flushed with water and allowed to dry before applying SuperSeal Curing Compound.

At this point a small mock-up area should be applied in an inconspicuous location to test the compatibility of the coating with the prepared substrate. Allow the coating to dry and cure fully, then inspect for proper film formation, gloss, adhesion and confirm that the film is free from whitening or any other defects.

MIXING:

The material is ready for use and requires no mixing or dilution. It is unlawful to further dilute with non-exempt solvents.

APPLICATION:

CONCRETE COATINGS SUPERSEAL CURING COMPOUND WILL DARKEN CONCRETE.

When used as a curing compound: Finish and allow surface water to completely dissipate. Before the surface begins to dry apply material using a low pressure (20-30 lbs) sprayer or power sprayer. Apply in a uniform manner at the specified rate of coverage (below). Avoid puddling and heavy accumulations. Be sure to use an acetone-safe sprayer for application.

When used as a sealer: Note that concrete must be fully cured (looks uniform in color) and dry at the time of application. This eliminates the possibility of moisture becoming trapped between the concrete slab, resulting in a white haze on the surface. If a white haze does develop, a second application will emulsify and allow trapped moisture to escape. The coating will then be able to reharder clearly.

*Disclaimer: Matting agent can fall out of suspension at times. Be sure to stir vigorously prior to use and during use for best results.

CLEAN UP:

Use XYLENE to clean tools and equipment. Pump solvent through the sprayer to remove residue of materials which can clog the hose and wand assembly.

TECHNICAL DATA

Composition and Materials: A blend of 100% methyl/methacrylate acrylic polymers in a fast drying aromatic solvent. No fillers are used and there are no oils, waxes or saponifiable resins. Manufactured with only the finest quality raw materials available and close quality-control is practiced.

Percent Solids:	25%
Flash Point:	40°F
Drying Time	
Tack Free:	1 hour
Open to Traffic:	2 hours
VOC Content:	< 350 g/l
A.I.M. Category:	Waterproofing Sealers, Concrete/Masonry Maximum VOC 350 g/l
Applicable Standards:	<ul style="list-style-type: none"> - ASTM C-1315, Type 1, Class A, B & C - Fed. TTC-C-800A, Type 1, Class I - AASHTO Des. M-148, Type 1, Clear - DE CRD - C-300 - USDA Authorization for use in meat, poultry and food processing plants. - Resilient Tile Institute approval for compatibility with most resilient tile, carpet adhesives and paints.

COVERAGE:

Surface	Coverage
Curing Exposed Aggregate:	300-500 sq.ft./gal
Second coat, cured concrete, burnished block:	300-500 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

MAINTENANCE:

Minimal maintenance is required other than occasional sweeping, dusting or mopping. If wear patterns do occur or if spillage removes the coating, Concrete Coatings SuperSeal Curing Compound may be reapplied to the affected area(s).

LIMITATIONS:

- Apply in temperatures above 40°F. Colder weather applications may be made under prescribed conditions and procedures specified by Concrete Coatings.
- Not for use on asphalt or surfaces subjected to hydrostatic water pressure, or as a waterproofer on below-grade surfaces.
- Sprayers must be equipped with neoprene hose, washers and gaskets as rubber or other materials will disintegrate from the solvent.
- Material will not freeze and may be stored outdoors in cold weather, however it must be allowed to warm to approximately 50°F before use.

Note 1. Concrete containing calcium chloride will remain dark longer when sealed. Extenders and additives (concrete admixes, fly ash) are now being added to some ready mixed concrete which can cause inconsistency in the porosity of the concrete. Some areas of the finished concrete may then appear darker than others. To compensate for these variations, coverage ratios should be adjusted.

Note 2. Popout problems can occur anytime, however, concrete in certain regional areas, concrete applied in extremely hot conditions (90°F+), and heavily steel troweled concrete can aggravate popout problems. These deficiencies are the result of a heat caused reaction, called alkaline silica reactivity (ASR), between the silica in the shale particles of the fine aggregate with the sodium and potassium alkali in the portland cement. For more information on this problem, refer to "POPOUTS" by Norman E. Henning, P.E. and Kenneth L. Johnson, P.E. of Twin City Testing and Engineering Laboratory and Lowery J. Smith of the J.L. Shiely Company. Where this type of shale is present, and extremely hot weather conditions prevail, it is recommended that liquid membrane curing compounds should not be used until the concrete has been completely cured by water ponding, continuous water spray mist, or wet burlap covering for a period of three days. A seal coat can then be applied for dustproofing and protection (when concrete is completely dry).

Note 3. When using a liquid or powder release care must be taken to ensure proper washing has taken place prior to applying Concrete Coatings SuperSeal Curing Compound as these substances may affect product adhesion and formation.

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through Concrete Coatings distributors, the Concrete Coatings office, and Concrete Coatings' website.

AVAILABILITY:

Concrete Coatings SuperSeal Curing Compound is available through Concrete Coatings Distributors. Contact Concrete Coatings for the nearest distributor. Packaged in 55-gallon drums, 5-gallon pails and 1-gallon cans.

FOR PROFESSIONAL USE ONLY

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