

Cure & Seal V.O.C.

Description

A high solids, water clear acrylic copolymer that cures, seals, dustproofs and hardens freshly cast concrete. Contains JP-64 to assure adhesion and eliminate flaking. A high gloss film that provides maximum protection to slabs against common staining materials. Reduces slab clean-up costs up to 50%.

Manufacturer

Conspec
636 S. 66th Terrace
Kansas City, Kansas 66111
Customer Service (800) 348-7351
Technical Service (877) CONSPEC

Use

Freshly Placed Concrete: Cure & Seal VOC is formulated for curing and sealing freshly cast and finished concrete by retaining the hydration water. Cure & Seal VOC cure sealer, hardener and dustproofers.

Benefits

- May be applied on vertical, horizontal, interior or exterior surfaces; the surfaces may be dry or damp
- Provides a tough glossy film that is resistant to abrasion and common staining materials, prevents the adhesion of cementitious droppings and the penetration of most oils and greases
- Maintenance and clean-up costs are greatly reduced for the contractor; janitorial costs are reduced for the occupant
- Treated floors are clean and bright, contributing to better lighting levels
- May be recoated prior to occupancy for a glossy final finish
- When applied to exposed aggregate or terrazzo, these surfaces are cured and beautified in one application; a bright glossy finish is imparted to the aggregates, additionally, the sealing effect reduces aggregate pop-outs and de-icing chemical damage
- May be recoated at any time without stripping the prior application

Applicable Standards

Recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in Table 1.1, ACI Standard 302-77. ASTM C-309, Type I, Class A and B. AASHTOM-148 Type I, NAVDOCK 13 YF.

Architectural Specifications

Liquid Membrane Curing And Sealing Compound: Immediately after final trowel apply an approved curing and sealing compound containing a minimum 25% acrylic solids. Material must comply with ASTM C-309, Type I, Class A and B. The compound shall be a clear, acrylate type: compound shall be Cure & Seal VOC or approved equivalent.

Application

Coverage:	ft ² /gal.	m ² /L
Curing	200	4.9
Dustproofing and Sealing	200-400*	4.9-9.8
Aged Concrete	300-600	7.4-14.7

*Apply two coats for dustproofing and sealing benefits.

Coverage will vary depending on the texture and porosity of the concrete. On broom or rough finished concrete, double the coverage rate.

Apply immediately after final finishing operations and/or after the bleed water has receded. At this point, apply promptly in an even uniform coat.

For a superior finish and added curing and sealing protection, apply a second coat at 400 sq. ft. per gallon (9.8 m²/L) after the first coat has fully cured.

Aged Concrete: Surface must be free of dirt and other foreign matter. The surface may be damp but there must be no standing puddles.

An application of Cure & Seal VOC will renovate established concrete, brick or terrazzo floors. These surfaces will be brighter and easier to clean and maintain.

Methods: Application may be made with a sprayer, brush, roller, or lambs wool applicator. Spraying or a lambs wool applicator generally will provide superior results.

Tilt-Up Construction: For uniquely superior results on tilt-up jobs, use Cure & Seal VOC as the curing compound in conjunction with the Conspec Bondbreakers. Consult Conspec Technical Services for specific requirements or with any questions.

TEST DATA

Specification Compliance

Complies with all specification requirements of ASTM C-309, Type I, Class A and B and AASHTO M-148, Type I and/or Type I-D including:

<i>Moisture Loss:</i>	
Applied at 200 ft ² /gal. (4.9 m ² /L)	0.28 kg/m ²
Test Requirement	0.55 kg/m ² max

Composition

A clear copolymer acrylate. Cure & Seal VOC contains no fillers or cheapening agents.

Color: Transparent. Fugitive dye is available upon request.

Packaging

55 gallon drums (208.2 L)
5 gallon pails (18.9 L)
1 gallon cans (6 to a case) (3.8 L)

Limitations/Precautions

Does not provide a base for cementitious materials. When used over colored concrete, Cure & Seal VOC may enhance color variation or imperfections. Rubber wheeled vehicles may leave black marks. It should not be used when other sealers are to be used without consulting Conspec. When used as an exterior sealer, an amber color may develop under certain circumstances.

Care should be taken not to apply Cure & Seal VOC to the interfacing of channels to be caulked with elastomeric sealants. This can be avoided by masking. Surfaces can be damp, but not wet. Tools should be cleaned immediately after use with Conspec Solvent 101.

Caution...Combustible. Contains petroleum distillates. Keep out of reach of children. Do not take internally. Do not breathe vapors. Avoid prolonged contact with skin. If swallowed, do not induce vomiting - call physician. If splashed in eyes, wash repeatedly with clean water and call physician. Keep away from heat, sparks and open flame. Protect food supplies from direct contact with material or its vapors.

Recommended Safety Equipment: Rubber gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety appliances, mask and canister.

Organic Vapor Mask
(No. 457081)

Organic Vapor Canister
(No. 77705GAM)

Threshold Limit Value: 100PPM. Ventilation system should be capable of exchanging total air volume in application area in 30 minutes or less.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using the product.

Five (5) Year Anti-Dusting Warranty

Conspec extends to the portion of the above project on which Cure & Seal VOC is used as a curing and sealing agent, a five year anti-dusting Warranty based on the following procedures:

1. Cure & Seal VOC is to be applied in a two coat application or as additionally directed by Conspec.

The cure coat is to be applied at no less than two hundred square feet per gallon (4.9 m²/L).

The seal coat is to be applied at no less than three hundred square feet per gallon (7.4 m²/L).

2. The material is to be applied under the supervision of Conspec or their authorized agent and a certificate of Warranty issued by Conspec.

In the event that the concrete should begin dusting, as a result of wear and abrasion, during the Five Year Warranty period, shall supply enough material, at no charge, to reseal only those areas that are dusting.

A certificate of Warranty shall be issued by Conspec.

V.O.C. Content

Less than 700 g/l. Complies with Federal V.O.C. standards for Curing and Sealing Compounds. Do not thin or dilute.

Warranty

Conspec warrants, for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Conspec, the product is free of manufacturing defects and conforms to Conspec's published specifications in force on the date of acceptance by Conspec of the order. Conspec shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Conspec's instructions in this technical data sheet. The purchaser must examine the product when received and promptly notify Conspec in writing of any non-conformity before the product is used, or no later than 30 days after such non-conformity is first discovered. If Conspec, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only an Conspec officer is authorized

to modify this warranty. The sales information on the Conspec website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Limitation of Liability

Conspec shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Conspec could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

Storage

Cure & Seal VOC should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. Material should not freeze in storage but should be allowed to rise to 50° F (10°C) and agitated before use.

Technical Services

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

Filing System

Additional literature and the Material Safety Data Sheet can be obtained from Conspec upon request.

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