

Cure & Seal LV

Description

A clear acrylic copolymer that cures, seals and dustproofs freshly placed concrete. Designed for ease of application in a wide range of temperatures, maintaining a thinner viscosity in cooler temperatures for better atomization when spraying. Meets ASTM C-309 specifications for moisture retention and results in a clear glossy film to seal the substrate.

Manufacturer

Conspec
4226 Kansas Avenue
Kansas City, Kansas 66106
Customer Service (800) 348-7351
Technical Service (877) CONSPEC

Use

Cure & Seal LV is formulated for curing and sealing freshly cast and finished concrete by retaining the hydration water. Cure & Seal LV helps cure the concrete and acts as an effective sealer and dustproofer.

Cure & Seal LV may be applied on vertical, horizontal, interior or exterior surfaces. The surfaces may be dry or damp.

Cure & Seal LV provides a transparent film that is resistant to abrasion and common staining materials and helps prevent the adhesion of cementitious croppings and the penetration of most oils and greases.

For added curing and sealing protection, apply a second coat at 200 - 400 sq. ft. per gallon (4.9 - 9.8 m²/l).

Cure & Seal LV provides a transparent film that is resistant to foot traffic, pneumatic and covered wheel traffic abrasion in warehouses, and commercial, institutional and industrial buildings. It may be recoated at any time without stripping the prior application.

Benefits

- CURES...allows concrete to reach its ultimate strength by retaining over 95% of its reactive moisture. Laboratory test data available upon request.
- DUSTPROOFS...by assuring a proper cure and hydration of the concrete.
- SEALS...keeps newly placed floors cleaner during construction. It reduces costly clean up jobs to a minimum. For added protection, apply a second coat at 200 - 400 square feet per gallon (4.9 - 9.8 m²/l).
- Alkali and salt resistant.
- V.O.C. compliant.
- Clear, glossy film
- Sprays well in hot and cold temperatures

Applicable Standards

Recommended for use on Class 1, 2, 3 and 4 concrete floors as classified in Table 1.1, ACI Standard 302. ASTM C-309, Type I, Class B. AASHTO M-148, Type I.

Architectural Specifications

Immediately after final finishing and after all surface water has disappeared. Apply an approved curing and sealing compound. Material must comply with ASTM C-309, Type I, Class A and B. The compound shall be a clear acrylate type: compound shall be Conspec Cure & Seal LV or approved equivalent.

Application

Coverage:	ft ² /gal.	(m ² /l)
Curing	200	(4.9)
Dustproofing & Sealing	200-400	(4.9-9.8)
Aged Concrete	200-400	(4.9-9.8)

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 after surface water has disappeared. 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 200 - 400 sq. ft. per gallon (4.9 - 9.8 m²/l) after the first coat has fully dried.

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

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 including:

Moisture Loss:

Applied at 200 sq. ft. per gal. (4.9 m²/l)
Test Requirement

Test Results

0.32 kg/m²
0.55 kg/m² max.

CONSPEC®

636 S. 66th Terrace • Kansas City, KS 66111

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

Composition

A clear, solvent based 25% solids acrylic copolymer.

Color: Transparent.

Packaging

55 gallon drums (208.2 liters)
5 gallon pails (18.9 liters)
1 gallon cans (6 to a case)(3.785 liters)

Limitations/Precautions

Does not provide a base for cementitious materials. When used over colored concrete, Cure & Seal LV 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 LV 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 10.

For use in enclosed structures proper ventilation and safety equipment must be provided. Extinguish all pilot lights or other open flames.

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. Wear rubber gloves, goggles and

protective clothing. 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: 100 PPM.

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.

V.O.C. Content

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 upon 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 a 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 LV should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. Material will not freeze in storage but should be allowed to rise to 50° F (10°C) 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.

000400290003

CONSPEC

636 S. 56th Terrace - Kansas City, KS 66111

P.E. 865 ON