

# Cure & Seal WB

## Acrylic Emulsion

### Description

*A V.O.C. compliant, sprayable, water base, acrylic polymer resin specifically formulated for curing, hardening, dustproofing and sealing freshly placed concrete. Provides maximum protection to slabs against common staining materials. Reduces slab clean up costs up to 50%.*

### Manufacturer

Conspec  
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**Customer Service** (800) 348-7351  
**Technical Service** (877) CONSPEC

### Use

*Freshly Placed Concrete:* Cure & Seal WB is formulated for curing and sealing freshly cast and finished concrete by retaining the hydration water. It also improves concrete abrasion resistance and provides protection from common staining materials.

Cure & Seal WB may be applied in most applications that prohibit use of conventional solvent based compounds for reasons relating to strong solvent odor or Volatile Organic Content (V.O.C.).

When applied to freshly placed and finished concrete surfaces, Cure & Seal WB forms a vapor seal that minimizes moisture loss through evaporation allowing concrete to develop maximum strength and hardness. By preventing rapid moisture loss, Cure & Seal WB restricts the major cause of concrete crazing and cracking.

Apply a second coat of Cure & Seal WB following final clean-up to beautify concrete surfaces.

*Aged Concrete:* Cure & Seal WB can also be applied to aged concrete, terrazzo, brick and masonry tiles to dust-proof and to seal surfaces against staining and mild chemical attack. These surfaces will be easier to maintain.

*Sealing Characteristics:* Cure & Seal WB can be applied as a sealing compound to provide resistance against de-icing salts. The product also makes concrete resistant to attack from alkalis, salts, soaps and detergents.

The life span of Cure & Seal WB depends upon application conditions, exposure (interior vs. exterior) and use conditions. Treated surfaces are readily recoatable.

### Benefits

- Protects against 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 occupant

### Applicable Standards

ASTM C-309, Type I, Type I-D, Class A and B. AASHTO M-148, NAVDOCK 13 YF. All local, state and federal V.O.C. and air quality regulations.

### Architectural Specifications

*Acrylic Emulsion Curing And Sealing Compound:* Immediately after final trowel apply an approved curing and sealing compound. Material must comply with ASTM C-309, Type I, Class A and B

and meet all local, state and federal V.O.C. and air quality regulations. Approved product: Conspec Cure & Seal WB or approved equivalent.

### Application

Coverage:	ft <sup>2</sup> /gal.	(m <sup>2</sup> /l)
Curing	200	(4.9)
Sealing	200-400	(4.9-9.8)

Coverage will vary depending on the texture and porosity of the concrete. For optimum performance, apply tow coats at 90° angles.

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

Cure & Seal WB is made ready to use. Agitate well before using. Avoid incorporating air into liquid. Do not thin or dilute. Cure & Seal WB can be applied with brushes or rollers, but lamb's wool applicators or low pressure spray followed by roller applications provide the best results. Spray equipment should be supplied with neoprene hoses and gaskets.

Best results are obtained when product is applied in temperatures above 55°F (12.8°C) and up to 80% relative humidity. Cure & Seal WB may be applied at substrate temperatures above freezing but extended cure time is required. Do not apply at temperatures below 45°F (7.2°C) or when relative humidity is above 90%.

## TEST DATA

### Specification Compliance

Complies with all specification requirements of ASTM C-309, Type I, Class A and B.

#### Moisture Loss:

Applied at 200 sq. ft. per gal. (4.9 m<sup>2</sup>/l)  
Test Requirement

#### Test Results

0.51 kg/m<sup>2</sup>  
0.55 kg/m<sup>2</sup> max.

**Freshly Placed Concrete:** Apply a uniform film immediately following final finishing and after the complete disappearance of the bleed water. A continuous film of Cure & Seal WB must be achieved. At this point, the concrete should be damp but not wet on the surface. Apply to vertical surfaces immediately following form removal. Avoid runs or puddles, and over-application. (Note: Application of product prior to complete concrete bleeding, to concrete placed over saturated or poorly drained subgrade, or to excessively dense steel trowelled surfaces can result in water induced product adhesion failure.) Over application can result in a soft film.

To achieve maximum sealing and dustproofing benefits, a second application should be made following final clean-up. Surfaces to be treated should be clean and dry. Again, apply to point of appearance of continuous surface film, avoiding runs, puddles and over application.

**Aged Concrete:** Adequately remove accumulations of grease, oil, bondbreaker residue, foreign curing compound residue, paint, or other substances not natural to concrete with Conspec Orange Peel or Stripper 722. Rinse surfaces thoroughly and apply Cure & Seal WB while surface is dry or damp but not wet. Successive applications can be applied one to two hours later or when first coat is tack-free.

Immediately after use, application equipment should be cleaned with warm water and soap.

## Composition

Cure & Seal WB contains ultra-violet resistant acrylic polymers in a water-base. Cure & Seal WB does not contain any cheapening agents or fillers including gums, rosin, oils, waxes, etc..

Cure & Seal WB complies with all California V.O.C. requirements and other Federal and State clean air legislation.

## 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

Avoid application in high humidity (i.e. +95% R.H.) conditions. High relative humidity may extend drying time and/or blushing. Do not apply when relative humidity is above 90%. Does not provide a base for cementitious materials. When used over colored concrete,

Cure & Seal WB 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 WB to the interfacing of channels to be caulked with elastomeric sealants. This can be avoided by masking. Surfaces can be damp, but not wet.

Cure & Seal WB is compatible with most carpets, tile and floor covering adhesives. A test section is recommended for questionable adhesives.

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.

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

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

Less than 350 g/l. Complies with Federal V.O.C. standards for Curing 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 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 WB should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. **Agitate well before use!**

**Do Not Allow To Freeze!**

## 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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