

# CURE & SEAL 350

## VOC COMPLIANT CURING & SEALING COMPOUND

**PRODUCT DESCRIPTION:** Specco Cure & Seal 350 is a clear acrylic copolymer, solvent-based, curing, sealing, hardening and dust-proofing compound for interior (see cautions) and exterior concrete. Cure & Seal 350 will form an impervious film that is resistant to the alkali present in fresh cement, and will retain moisture for freshly placed concrete ensuring proper strength development.

Cure & Seal 350 will penetrate the substrate and provide a protective seal on the surface that is resistant to mild acid, alkali, and salt attack, and will not support mold growth. Cure & Seal 350 will increase the stain resistance of the concrete and allow easier cleaning, maintenance, and extended wear.

**BENEFITS:** Hardens new concrete by providing proper cure...Provides anti-spall protection against salt attack...Dustproofs concrete with a tough durable film... Fortified with UV inhibitors/absorbers for improved resistance against sun degradation

PHYSICAL DATA:	APPROXIMATE VALUES:
Composition:	Acrylic copolymer in hydrocarbon base
Color:	Crystal clear solution
Solids:	25.25%(+/-) 0.25%
Weight/gallon:	8.14 lb./gal. (+/-) 0.10%

TECHNICAL DATA:	APPROXIMATE VALUES:
Dry to Touch:	20-30 minutes
Hard Film / Recoat Time:	2hours
Light Foot Traffic:	4-5 hours
Vehicle Traffic:	10-12 hours
Moisture Loss:	<0.40 kg/m2
V.O.C. Levels:	(345 g/L) 2.87 lbs. /gal.
Flashpoint:	52 ° F (11 ° C)

\*Drying time assuming 65°–85° F (18°-29° C) at 50% relative humidity. Low concrete or air temperature and/or high relative humidity will extend dry times.

**SPECIFICATIONS/COMPLIANCES:** Specco Cure & Seal 350 is formulated to comply with: ASTM C-309 Type I, Class A&B, ASTM C-1315 Type I, Class A and ASTM C-156-71. Cure & Seal 350 contains less than 350 g/L (2.92 lbs. /gal.) volatile organic compounds and meets the Architectural Coatings requirements in accordance with EPA 40 CFR Part 59 Table 1 Subpart D for Concrete Curing and Sealing Compounds. Cure & Seal 350 complies with most O.T.C. region states as well as current National AIM reduced (350 g/L) VOC compliance requirements for all states excluding California, Ohio, Pennsylvania, and Connecticut.

**APPLICATION: Fresh Concrete:** Cure & Seal 350 contains an internal flattening agent that requires only that the pail or drum be lightly agitated or shaken before application. The flattening agent will dissolve immediately into solution and does not require mechanical agitation. The only exception to this is if a pigmented (tinted) version of the product is to be applied (refer to Specco tinted sealer guidelines data sheet for additional information), in which case only an air or explosion proof mixer should be used to avoid potential spark. For optimum curing applications, apply Cure & Seal 350 after final finishing is complete and there is no visible surface water "sheen" present. Apply by airless spray, hand held (pump up spray), short nap (solvent resistant) roller, or lamb's wool applicator. Hand held sprayers should be of solvent resistant design with neoprene or Viton type fittings, common polyethylene (gardening type) should not be used. If back-rolling spray applications, use a low (1/4 inch) nap, solvent resistant roller immediately after spraying as the product dries quickly. Low nap will ensure thin applications are maintained. If applying Cure & Seal 350 by roller only, it is advised to constantly maintain a wet edge, and to keep the roller wet with either the sealer resin or Specco B-41 Re-Solve cleaning solvent to avoid potential lap marks or surface mottling upon drying. Do not roll back and forth excessively as this may cause excessive bubbling, and re-rolling immediately after the film starts to become tacky can cause the roller to become stringy. Cure & Seal 350 is designed for a two-coat application for uniform applications, with the first coat acting as a primer coat and the second coat to be applied only after the first coat has dried. Always apply two thin coats, at the recommended coverage rates listed below. **For sealing existing or old concrete**, the surface should be first thoroughly cleaned. Oil and petroleum stains should first be removed with a degreaser solution like Specco Clean & Prep C-20 or Citrasolve C-25. The use of Specco Clean & Etch C-27 acidic cleaner is then recommended, in combination with a pressure washer for removal of residual dirt, waxes, or surface laitance. Remove any remaining old sealers or resins with either Specco Eliminator WB or Specco Lightening SB brand paint stripper. If there are concerns with killing surrounding vegetation and landscaping greenery, use of the water-based Specco Eliminator WB is encouraged over Specco Lightening SB or similar solvent based stripping compounds. Sandblasting or abrasion techniques should be used only as a last option if there are remaining stains that cannot be removed chemically. Allow the cleaned surface to dry for a minimum of 24 hours to minimize any water entrapment (blushing) under the Cure & Seal 350 film.

**COVERAGE:** For best appearance and performance, apply uniformly and at recommended coverage rates below, listed in square feet per gallon/ (m2 / liter).

Application:	First Coat*	Second Coat*
Curing and Sealing New Concrete	250-300 / (6.2-7.4 )	350-400 / (8.6-9.8)
Sealing Existing (Old) Concrete	350-400 / (8.6-9.8)	450-500 / (11.0.6-12.2)

\*Coverage rates will vary from the above depending on surface porosity, finishing technique (hard trowel or broom finish).

**LIMITATIONS:** After application, Cure & Seal 350 will dry to a clear, matt-finish film. A test area is always recommended to determine product suitability before use, especially on light colored driveways, sidewalks, or patios where appearance is critical. Cure & Seal 350 is not recommended for sealing highly absorbent natural landscaping surfaces such as Bluestone or Clay Pavers. These surfaces may wick water vapor upward from the ground, causing moisture, efflorescence or minerals to deposit underneath the cured film which can cause visible discoloration or sealer whitening (blushing). After application, if residual solvent odor is objectionable during application, the use of a water-based, low odor product, such as Specco Enviroseal or Ure-Sheen 30, may be preferred. When re-sealing existing or old concrete, Cure & Seal 350 will darken or highlight imperfections or aggregate surface colors, possibly resulting in a mottled appearance on the first coat. A second coat application usually corrects this situation. Cure & Seal 350 can be used to seal freshly poured colored concrete or over dry shake hardeners, but film mottling (un-uniformity) may occur due to high levels of hydration water still present in the surface. Do not apply Cure & Seal 350 over concrete that will receive epoxy or urethane based coatings, or over existing epoxy-based topcoats. The use of Specco Envirocure 1315 is recommended for these situations. Cure & Seal 350 is considered a light duty "thermoplastic resin" type sealer that can soften when exposed to heat, and therefore may exhibit tire markings or rubber transfer when subjected to forklift or other wheeled traffic. Do not use Cure & Seal 350 in areas subjected to strong solvents, such as gasoline or brake fluid. The use of Speccogrip anti-slip additive is recommended for increased traction on surface inclines or around consistently wet areas such as deck pool surrounds. Restrict foot traffic for at least four hours, 12 hours is preferred.

**CAUTIONS: CURE & SEAL 350 IS A FLAMMABLE LIQUID!** Before using, the applicator should read all label, technical data and safety information completely. Store and apply Cure & Seal 350 away from sources of heat, sparks, open flame, and ignition, taking care to extinguish these sources if present. Keep containers closed until ready to use or when not in use. Provide adequate ventilation. To prevent vapor build up and possible explosion for interior applications, turn off water heater pilots, open all doors and windows to provide cross ventilation, or use a positive ventilation system to remove the vapors. If mixing pigments or tinting colors into the Cure & Seal 350, make sure the mixing is by air or manual agitation (shaking or paint stick), no electrical mixers should be used to eliminate risk of spark. Make sure the application is static free. In exterior applications, All HVAC openings, windows and air intakes should be closed to prevent intake of fumes into the building interior. Do not apply Cure & Seal 350 in or around buildings occupied by non-construction personnel, as the solvent odors may be irritating. Cure & Seal 350 is not to be applied in or near areas containing food or drink products. These should be removed and only returned after all solvent vapors have dissipated. Do not apply Specco Cure & Seal 350 if rain is expected within 12 hours of sealing. Do not apply when concrete surfaces are below 40° F (4° C ) and dropping or above 90° F ( 31° C ) and rising. For ideal sealer properties and improved bond, the Cure & Seal 350 should be applied in early morning or late afternoon time periods and should not be applied in full sun if possible. In cold applications, Cure & Seal 350 will not freeze but should be warmed ideally to 50° F (25° C) before use. For compliance with AIM Clean Air Act regulations, thinning of this product is not allowed. Cure & Seal 350 can be slippery when applied and during drying. Keep all traffic off the treated surface until dry. Protect all grass, foliage and related landscaping from over-spray.

**WARNINGS:** Avoid ingestion, skin and eye contact of the spray mist. Wear safety glasses or splash goggles and protective clothing during application. Also wear an OSHA/NIOSH approved respirator when applying as the vapors emitted from Cure & Seal 350 may cause respiratory tract irritation. People with medical conditions should not be exposed to the vapors or fumes. Empty container may contain explosive vapors that are heavier than air. Do not cut or weld on or near empty container. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.** For medical emergencies only, call Chemtrec at 1-800-424-9300. **H.M.I.S:** HEALTH = 2, FLAMMABILITY = 3, REACTIVITY = 1, PERSONAL PROTECTION = G **SHIPPING NAMES:** Flammable Liquid, Resin Solution, 3, UN1866, Packing Group II. **SHIPPING CLASS:** ITEM 155250, SUB 2, LTL 65 - Concrete Cure & Seal Compound. **PACKAGING:** 1 gallon (3.78 L), 5 gallon (18.9 L), and 55 gallon (208 L) containers. **STORAGE:** 40° to 90° F (4° to 31° C) **SHELF LIFE:** 3 years properly stored.

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product. **Revised – 02-14-10**