



TECHNICAL DATA SHEET

CLEARSEAL® 300

Concrete Cure and Seal

03390

CONCRETE CURING
CONCRETE

TAMMS INDUSTRIES
SEPTEMBER 2000 (Replaces 1/99)

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1. **DESCRIPTION:** CLEARSEAL 300 is a clear, solvent-based, modified acrylic, curing, sealing, and hardening compound. It is one component, ready-to-use, and resistant to most mild aqueous solutions of alkali, acids and salts. CLEARSEAL 300 is used exterior and interior on horizontal or vertical surfaces to cure, seal, harden and dust proof new or existing concrete. It is easy to maintain, accepts abrasion from foot and vehicular traffic and is compatible with most floor covering adhesives. CLEARSEAL 300 forms a continuous membrane which is easy to clean, provides a glossy "wet look" to concrete and reduces spalling.

2. **USES:** CLEARSEAL 300 is used as a sealing compound on exterior and interior horizontal and vertical surfaces to seal, harden and dust proof new or existing concrete and masonry surfaces. Typical applications include garages, parking decks, offices, commercial buildings, industrial plants, warehouses, schools, hospitals and airport hangars.

3. **COMPOSITION AND MATERIALS:** CLEARSEAL 300 is a proprietary formulation of acrylic resins dissolved in a special blend of petroleum distillates.

MATERIAL PROPERTIES @ 75°F – 50% R.H.	
CLEARSEAL 300	
Weight per gallon, lbs.	7.3
Viscosity, cps	300
Flash Point, °F	110
Tukon hardness	>10
ASTM C1315 test results	
Coverage rate, sq. ft./gal.	300
Solids, %	>25
Dry time, hrs.	1-3
UV exposure	Meets Class B and C Requirements
Water loss, kg/m ²	<0.35
Acid/Alkali resistance	Meets Requirements

4. **COLORS:** CLEARSEAL 300 is available only in a clear formulation.

5. **COMPLIANCE:** CLEARSEAL 300 complies with requirements of ASTM C309, Type 1, Class A and B and ASTM C1315, Type 1, Class B. CLEARSEAL 300 meets requirements of the national AIM VOC regulations.

6. **SURFACE PREPARATION: Existing Concrete:** When used as a sealer the surface must be structurally sound, free of dust, dirt, mortar residue, curing and form release compounds and all other contaminants. Prior to application, all surface defects, cracks, voids and joints must be properly filled and allowed to cure per manufacturers recommendations. A dry substrate offers better product penetration than a damp surface. **Freshly Placed Concrete:** Horizontal surface must be finished and the surface "moisture" sheen should have disappeared. The surface must be able to withstand foot traffic from workmen. Vertical surfaces may be treated as soon as the forms have been removed and the surface rubbed.

7. **MIXING INSTRUCTIONS:** CLEARSEAL 300 does not require mixing. Do not thin or dilute.

8. **APPLICATION TECHNIQUES:** Apply CLEARSEAL 300 in a uniform, continuous film by airless sprayer, short napped mohair roller, lambs wool applicator, paint brush, or soft bristled push broom. **Freshly Placed Concrete:** Apply a full, even coat of CLEARSEAL 300 to ensure complete, uniform coverage of the surface. Use a lambs wool applicator or roller to pick up puddles or excess material. A second coat may be applied if a higher gloss is desired. The second coat should be applied as soon as the first coat has dried. **Existing Concrete:** Apply a uniform film of CLEARSEAL 300. Apply a second coat, if desired, as soon as the first coat has dried. Full cure will occur overnight and maximum hardness will be achieved in about one week.

9. **COVERAGE:** The following coverage rates are approximate and for estimating purposes only. Make test applications on actual surfaces to determine exact coverage rates.

Application	sq. ft./gal.
Cure/Seal New Concrete	300
Seal/Dustproof Old Concrete	200-400
Anti-spalling	200-400

10. **CLEAN-UP INSTRUCTIONS:** Clean tools and equipment with aromatic 100 or xylene immediately following use. Clean drips and over spray with solvent while still wet. If not cleaned immediately, the sealer may leave a residue on painted surfaces, glass or wood.

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11. **PACKAGING:** 1 gallon, 5 gallon, 55 gallon DOT containers.
Storage: 50-80°F (10-27°C)
Shelf Life: 2 years properly stored.

12. **CAUTIONS:** CLEARSEAL 300 is not recommended to seal voids, cracks or for use where hydrostatic pressure is present. Do not apply to exterior surfaces if rain is expected within 12 hours after application or in direct sunlight at ambient temperatures in excess of 90°F. The sealer may darken the surface and may accentuate surface imperfections. A test application to evaluate appearance and performance is recommended. The coefficient of friction of the surface may decline with each sealer application. Do not apply to frozen or frost filled surfaces. Not recommended for asphalt surfaces. Certain water based tile adhesives may not bond to CLEARSEAL 300. Always apply test area to confirm adhesion.

13. **ENVIRONMENTAL AND SAFETY PRECAUTIONS:** CLEARSEAL 300 contains petroleum distillates and is combustible. Keep away from heat, sparks and open flame. Keep containers closed until ready to use. Provide adequate ventilation. To prevent vapor build up and possible explosion, open all doors and windows and provide cross ventilation. Do not smoke. Solvent vapors can cause respiratory irritation. For respiratory problems, remove person immediately to fresh air. Contact may cause skin or eye irritation. Using respiratory devices, safety goggles and impervious gloves is recommended. Wash hands thoroughly with soap and water after handling and before eating or smoking. If ingested, do not induce vomiting and call a physician immediately. For eye contact, flush immediately with water for 15 minutes and consult a physician immediately. Do not rub eyes. Protect shrubbery, plants and grass during application. Protect asphalt, rubber and plastic surfaces from spills and over spray. **READ MATERIAL SAFETY DATA SHEET BEFORE USING. MATERIAL IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS. EMERGENCY RESPONSE PHONE NUMBERS ARE: (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.**

14. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
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800-862-2667 FAX: 815-522-2323
www.tamms.com

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