



TECHNICAL DATA SHEET

AQUASTAIN® T-96

Water Based, Decorative, Penetrating Stain

09930

STAINS AND TRANSPARENT FINISHES FINISHES

TAMMS INDUSTRIES (Replaces 1/01) JANUARY 2001

- DESCRIPTION:** AQUASTAIN T-96 is a non flammable, decorative, water based, liquid polymer penetrating stain. Aquastain complies with the California Air Management District's Volatile Organic Compounds (VOC) emission regulations. AQUASTAIN T-96 retains the the natural texture of the concrete or masonry surface without leaving a "painted look." It resists ultraviolet degradation, airborne dirt, smog, industrial fumes, acid rain and most other atmospheric chemicals.
- USES:** AQUASTAIN T-96 is used on interior or exterior surfaces, to protect and provide a uniform color finish to precast or poured concrete, brick, concrete block or stucco. Typical applications include architectural finishes for buildings, sound walls, highway bridge structures, median, barriers, retaining walls, and as a decorative finish for concrete.
- COMPOSITION:** AQUASTAIN T-96 is a water based formulation based on acrylic resins, inorganic pigments, fillers and proprietary additives.

MATERIAL PROPERTIES:	
Properties at 75°F, 50% RH	
Viscosity	400-900 cps
Weight/gal.	11.10 lbs/gal.
Solids (wt%)	35-45
Dry time	15-45 minutes
Cure time	3-6 hours
Weathering resistance	Excellent
Gloss	5-15
Abrasion resistance (Taber Abraser)	160 mgs wt. loss CS17, 1000 gms, 1000 cycles

- COLORS:** AQUASTAIN T-96 is available in a wide range of beautiful colors. Custom colors are also available subject to minimum order quantities and up charges. See the Decorative Color Card or contact the Tamms customer service center for details.
- SURFACE PREPARATION:** Cure new concrete or masonry surfaces for 28 days. Cracks, voids and holes in old concrete should be repaired prior to application of AQUASTAIN T-96. The surface must be structurally sound, clean, free of dirt, paint, laitance, efflorescence and other contaminants. Provide an absorptive surface on all substrates including smooth precast or formed concrete by abrading the surface. On porous surfaces or

where required, the surface should be waterproofed with a compatible penetrating waterproofing sealer, such as Chemstop WB, prior to applying AQUASTAIN T-96.

- MIXING INSTRUCTIONS:** AQUASTAIN T-96 comes ready to use and requires no additives. Mix AQUASTAIN T-96 with a slow speed motor and mixing blade to thoroughly disperse all ingredients. Do not aerate the mix. Do not dilute AQUASTAIN T-96 with any other material.
- APPLICATION TECHNIQUES:** AQUASTAIN T-96 should be applied when the temperature is not less than 45°F and rising. AQUASTAIN T-96 is applied in two coats. The first coat primes the surface and equalizes the absorption of the substrate. The second coat, which is applied 12-24 hours after the first coat, provides the finished appearance and maximizes the durability. AQUASTAIN T-96 can be applied by airless spray, roller or brush. The preferred application method is airless spray using equipment capable of 1000-3000 psi with a self cleaning reversible spray tip with a 0.021" orifice. When applying AQUASTAIN T-96, hold the spray gun 12 - 18 inches (30 - 45 cm) from the wall. Use a cross coat technique which consists of a horizontal pass followed by a vertical pass. For fluted surfaces, only make vertical passes and hold the sprayer at the proper angle to coat both sides of the flutes. Apply AQUASTAIN T-96 to the point of saturation with no run down. Use brushes or rollers to remove sags or curtain marks. Other use of brushes or rollers should be avoided except to coat edges or areas that cannot be sprayed. Apply the second coat 12-24 hours after the first using the same technique. Complete cure and full color development will be realized 48 hours after the second coat.
- COVERAGE:** AQUASTAIN T-96 coverage rates are approximate and are for estimating purposes only. Surface temperature, porosity and texture will determine actual material requirements. Sample areas should be completed for all surfaces to be stained. Obtain architect and/or owner approval for the color, finish, and coverage rates before proceeding with the job. Retain the sample or mock-up through the completion of the project.

Square Feet per Gallon

Substrate	1st Coat	2nd Coat
Concrete	150-225	250-350
Concrete block – standard	100-175	175-275
– light weight/split face	40- 60	60-100
Brick	60-100	80-150
Stucco	60-100	80-120

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9. **CLEAN-UP INSTRUCTIONS:** Clean tools and application equipment immediately after use with detergent and hot water. Dried material may require solvents or abrasion for removal.

10. **CAUTIONS:** Do not thin or dilute AQUASTAIN T-96. Do not apply to exterior surfaces if rain is expected within 12 hours. Do not apply if temperatures are below 45°F or above 90°F (9°C-32.2°C). High humidity and cool temperatures will slow the drying process. Do not apply to frost filled surfaces. Do not apply to non absorbent materials such as glass, metal, glazed brick or glazed tile. AQUASTAIN T-96 is not intended to seal leaks or withstand hydrostatic water pressure. Fresh concrete and mortar joints should be cured at least 28 days before applying AQUASTAIN T-96.

11. **ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only.** Provide adequate ventilation. AQUASTAIN T-96 can be irritating to eyes and skin. Wear goggles and protective clothing. In case of eye contact, flood the eyes repeatedly with water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and water after handling and before smoking or eating. Do not take internally. If ingested, do not induce vomiting. Call a physician immediately. **KEEP AWAY FROM CHILDREN AND ANIMALS.** Consult material safety data sheet for further information. **EMERGENCY RESPONSE PHONE NUMBERS ARE (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.**

12. **PACKAGING:** 5 gallon (18.9l) and 30 gallon (113.4l) DOT approved containers.

Storage: Store at temperatures between 50 degrees and 90°F (10°C-32.2°C). **Protect from freezing.**

Shelf Life: One year in proper storage. Freight class is 55.

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

TAMMS INDUSTRIES
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www.tamms.com

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