

AQUASTAIN T-96

WATER-BASED, DECORATIVE, PENETRATING STAIN

DESCRIPTION

AQUASTAIN T-96 is a penetrating, non-flammable, decorative, water based, liquid polymer stain. 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. AQUASTAIN T-96 is a water-based formulation based on acrylic resins, inorganic pigments, fillers and proprietary additives.

PRIMARY APPLICATIONS

- Architectural finishes for buildings
- Sound walls
- Highway bridge structures
- Median barrier
- Interior/exterior surfaces
- Concrete block or brick
- Retaining walls
- Decorative finish
- Stucco

FEATURES/BENEFITS

- Resists ultraviolet degradation
- Protects and provides a uniform color finish to precast or cast-in-place concrete
- Fights atmospheric conditions
- ▲ Can contribute to LEED points

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

Viscosity 400 to 900 cps
 VOC content < 50 g/L
 Weight/gal 11.10 lbs (1.3 kg/L)
 Solids by weight 35 to 45%
 Dry time 15 to 45 minutes
 Cure time 3 to 6 hours
 Weathering resistance excellent
 Abrasion resistance (Taber Abraser) CS17,
 1000 gm, 1000 cycles 160 mg wt. loss

Appearance

AQUASTAIN T-96 is available in a wide range of colors. Custom colors are also available subject to minimum order quantities. Contact your local Euclid Chemical representative for details.

PACKAGING

AQUASTAIN T-96 is packaged in 5 gal (18.9 L) and 30 gal (113.4 L) containers.

SHELF LIFE

1 year in original, unopened container.

COVERAGE

Substrate	ft ² /gal (m ² /L)	
	1st Coat	2nd Coat
Concrete	150 to 225 (3.68 to 5.52)	250 to 350 (6.14 to 8.59)
Concrete block (std)	100 to 175 (2.45 to 4.29)	175 to 275 (4.29 to 6.75)
Light weight/split face	40 to 60 (0.98 to 1.47)	60 to 100 (1.47 to 2.45)
Brick	60 to 100 (1.47 to 2.45)	80 to 150 (1.96 to 3.68)
Stucco	60 to 100 (1.47 to 2.45)	80 to 120 (1.96 to 2.94)

Note: 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.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
 Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
 www.euclidchemical.com

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DIRECTIONS FOR USE

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. Preparation should be done by mechanical means to achieve a surface profile equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2. Properly clean profiled area. 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: AQUASTAIN T-96 comes ready to use and requires no additives. Mix AQUASTAIN T-96 with a slow speed drill and mixing blade to thoroughly disperse all ingredients. Do not aerate the mix. Do not dilute AQUASTAIN T-96 with any other material.

Application: AQUASTAIN T-96 should be applied when the temperature is warmer than 45°F (7°C) 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 to 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 to 3000 psi (6.89 to 20.68 MPa) with a self cleaning reversible spray tip with a 0.021" (0.53 mm) orifice. When applying AQUASTAIN T-96, hold the spray gun 12" to 18" (30 to 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 streak 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 to 24 hours after the first using the same technique. Complete cure and full color development will be realized 48 hours after the second coat.

CLEAN-UP

Clean tools and application equipment immediately after use with detergent and hot water. Dried material may require solvents or abrasion for removal.

PRECAUTIONS/LIMITATIONS

- AQUASTAIN T-96 is not intended for horizontal surfaces.
- 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 (7°C) or above 90°F (32°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.
- Protect from freezing.
- Store between 50°F to 90°F (10°C to 32°C).
- In all cases, consult the Material Safety Data Sheet before use.

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