



AQUASTAIN T-96

WATER-BASED, DECORATIVE, PENETRATING STAIN

PACKAGING

5 gal (18.9 L) pail

Code: TL2204505§ (Std Colors)

Code: TL2204505§ (Special Colors, MTO)

55 gal (208 L) drum

Code: TL2204555§ (Std Colors)

CLEAN UP

Clean tools and equipment immediately after use with soap and hot water. Clean overspray or drips while still wet with soap and hot water. Dried material may require strong solvents or mechanical abrasion for removal.

SHELF LIFE

1 year in original, properly stored, unopened package

DESCRIPTION

AQUASTAIN T-96 is a penetrating, non-flammable, decorative, water-based, liquid polymer stain. AQUASTAIN T-96 retains 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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Resists ultraviolet degradation
- Protects and provides a uniform color finish to precast or cast-in-place concrete
- Fights atmospheric conditions
- Breathable
- Freeze-thaw stable
- Outstanding color retention

PRIMARY APPLICATIONS

- Architectural finishes for buildings
- Sound walls
- Highway bridge structures
- Median barrier
- Retaining walls
- Concrete block, brick, and stucco

APPEARANCE

AQUASTAIN T-96 is available in a wide range of standard colors. Special/custom colors are available with minimum quantity orders.

APPLICATION PROPERTIES

These properties are based on laboratory conditions at 70 °F. Expect variation based on jobsite conditions.

Solids content:	35 to 45%
Density:	11.1 lbs/gal (1.3 kg/L)
Viscosity:	400 to 900 cp (62 to 83 ku)
Dry time:	15 to 45 minutes
Initial cure time:	3 to 6 hours
VOC content:	< 100 g/L
Recoat:	12 to 24 hours

COVERAGE

Surface Texture	First Coat - ft ² /gal (m ² /L)	Second Coat - ft ² /gal (m ² /L)
Concrete	150 to 225 (3.68 to 5.52)	250 to 350 (6.14 to 8.59)
Concrete block	100 to 175 (2.45 to 4.29)	175 to 275 (4.29 to 6.75)
Light weight/split face block	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: Coverage rates are approximate and are for estimating purposes only. Surface temperature, porosity, and texture will determine actual material requirements. Apply samples to all surfaces to be coated, and obtain approval of architect or owner for the color, finish, water repellency, and coverage before proceeding with work.

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.

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 Safety Data Sheet before use.

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