



CanyonTone™ Stain

Product Data Sheet



PRODUCT DESCRIPTION

PIGMENTED WATER-REPELLENT STAIN

CanyonTone™ Stain is a modified, water-based acrylic, penetrating pigmented sealer. It possesses superior color stability, ultraviolet resistance, alkali and pollution resistance, and water-repellency. Toning pigments are chemically suspended in the acrylic resins, thus eliminating settling and color variations on the structure.

CanyonTone™ Stain is integrally locked into the substrate as a result of its low viscosity and microscopic penetration properties. It will not peel, crack or blister from a properly prepared concrete or masonry surface. **CanyonTone™ Stain** allows moisture vapor to escape from the building interior, while providing excellent water-repellency on the exterior through the use of hydrophobic resins.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

CanyonTone™ Stain is available in: White, Accent Base, and Pastel Base.

White	Accent Base/Pastel Base
1 gallon (3.8 liter) bucket	1 gallon (3.8 liter) bucket
5 gallon (19 liter) pail	4.5 gallon (17 liter) pail
54 gallon (204 liter) drum	49.5 gallon (187 liter) drum

Shelf life 24 months if unopened containers stored between 50°F and 100°F (10°C and 38°C).

BASIC USES & ADVANTAGES

CanyonTone™ Stain is a penetrating sealer and stain with excellent water-repellent properties. It corrects natural color imperfections in the substrate by imparting permanent color uniformity plus water-repellency without disturbing the natural texture of the substrate. It is not designed for application to horizontal surfaces.

CanyonTone™ Stain is used as a uniform color finish on above-grade precast and poured concrete, glass fiber reinforced concrete, brick, stucco and stone surfaces. **CanyonTone™ Stain** is not designed to waterproof concrete block or other porous substrates. It can be used over masonry substrates to achieve color uniformity only. As a water-based system, **CanyonTone™ Stain** can be used on interior surfaces as well as exterior. Highway bridge structures, sound walls, median barriers, foundations, tunnels, retaining walls and related building structures are all candidates for the application of **CanyonTone™ Stain**. It is also an excellent choice for maintaining, restoring or changing the color of existing EIFS installations.

Advantages:

- **Uniformity of Appearance:** Toning pigments are chemically suspended in solution at all times by a proven process that eliminates settling and color variations on the structure.
- **Color Retention:** non-fading toning pigments are as durable as natural stone and will greatly resist ultraviolet and ozone attack.
- **Fast Application:** dries quickly and can be rapidly applied in 2 coats over most surfaces.
- **Non-Oxidizing:** **CanyonTone™ Stain** does not contain any ingredients that will oxidize, such as vegetable and marine oils, paraffins, stearates or organic pigments, which cause rapid degradation and allow moisture intrusion. **CanyonTone™ Stain** contains pure, non-yellowing acrylic polymers; there are no filler resins or plasticizers.
- **Non-Lapping:** utilizes a unique acrylic resin formulation which, together with its low degree of pigmentation and sheen, virtually eliminates lap-marks under most application conditions.
- **Water-Based:** Non-toxic and odor free for easy, safe application on both interior and exterior surfaces. Meets most Federal, State and Local VOC requirements.
- **No peeling or Flaking:** Due to the micro-penetrating qualities and tenacious adhesion of **CanyonTone™ Stain** to concrete and masonry surfaces, the stain does not peel or flake from the substrate as do typical "paint" finishes.

PHYSICAL PROPERTIES

CANYONTONE™ STAIN	
Solids by Weight	40% (± 2) [ASTM D2369]
Solids by Volume	24% (± 2) [ASTM D2697]
Weight per Gallon	10.5 lbs (± .2) (4.8 kgs) [ASTM D1475]
Viscosity	900-1500 cps @ 70°F [ASTM D2196]
Gloss	4.0 (60° Gardner) [ASTM D523]
Permeability	10 Perms (± 2) @ 4 dry mils [ASTM E96]
Adhesion to Concrete/Masonry	300 lbs/in ² (2,069 kPa) [ASTM D3359]

VOC	< 100 g/L
Temperature Limit for Normal Service	-70°F to 200°F (-57°C to 93°C)
Dry Time	20 min @ 75°F (24°C), 50% RH [ASTM D1640]
Cure Time*	1 hour @ 75°F (24°C), 50% RH [ASTM D1640] <i>*high humidity and/or low temperature will retard cure and recoat times</i>
Colors	Available in a wide selection of natural toned colors. Colors are custom matched by GAF for the specific application.

APPLICATION INSTRUCTIONS

CanyonTone™ Stain may be applied by roller or airless spray equipment. Any airless spray equipment capable of 1,000 psi (6,980 kPa) and ½ gallon per minute (1.9 l/minute)

delivery can be used for applying **CanyonTone™ Stain**. Brush or roller application is recommended only for edging work and for confined areas that would require extensive

GAF Liquid-Applied

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For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

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PHYSICAL PROPERTIES

Resistance to Accelerated Weathering	No deleterious effects after 3,000 hours continuous exposure. Color is within 5 NBS units as per ASTM D2244 & D1729. No chalking or flaking as per ASTM D659 & D722. [ASTM G154]
Resistance to Natural Sunlight	After 18,000 megalous of radiation exposure, color and gloss change less than 1 CJE unit. [ASTM G90]
Reduction of Chloride Ion Penetration	Achieved a reduction of 73% @ 1.6–13mm penetration and 94% @ 13–25mm. [ASTM D1218]
Resistance to Wind Driven Rain	0 penetration @ 4 dry mils (102 microns) after 60 minutes exposure. [Rilem Tube Method #11.4]
Resistance to Salt Spray*	No deleterious effects; no color fade and no efflorescence after 500 hours. [ASTM B117]
Resistance to Sulfide Staining†	No signs of discoloration after 15 minute immersion in Hydrogen Sulfide. [ASTM D1712]
Resistance to Chemical Reagents‡	After 7 day immersion: 10% Sodium Hydroxide or 10% Ammonium Hydroxide: No softening; very slight color change. Mineral Spirits KB Value 38: No softening or color change.

*test conducted with CanyonTone™ Stain on concrete masonry blocks.

†Sulfide gas is a common industrial pollutant, which discolors the pigment in many stains.

‡Sodium Hydroxide and Ammonium Hydroxide were tested to show CanyonTone™ Stain's resistance to alkaline conditions found in concrete and masonry. Mineral Spirits is commonly used for graffiti removal.

APPLICATION INSTRUCTIONS, CONT'D

masking or protection from spray during application. Multiple application methods, at varying coverage rates, may result in variations in the finish sheen.

Apply in two coats at a minimum total rate of 1-1.5 gallons per 100 ft² (.4-.6 l/m²). Consult GAF's product specifications for specific film thickness requirements to qualify for GAF's product warranty.

SURFACE	ESTIMATED COVERAGE RATE
Concrete, Cast-in-place	125 ft ² /gal (3.0 m ² /L)
Concrete, Precast	125 ft ² /gal (3.0 m ² /L)
Glass Fiber Reinforced Concrete (GFRC or GRC)	150 ft ² /gal (3.7 m ² /L)
Concrete Block, Standard	75–100 ft ² /gal (1.8–2.4 m ² /L)
Concrete Block, Split-Face	50–75 ft ² /gal (1.2–1.8 m ² /L)
Brick	75 ft ² /gal (1.8 m ² /L)
EIFS	100–125 ft ² /gal (2.4–3.0 m ² /L)
Stucco, Spray-On	50 ft ² /gal (1.2 m ² /L)
Stucco, Troweled	100 ft ² /gal (2.4 m ² /L)

Note: Absorption/Coverage rates are provided for estimating purposes only. Rates will depend upon the texture and porosity of the substrate. Allow for extra surface area when estimating coverage for raked joints and fluted or split-face surfaces. Estimated coverage rates are totals for two coats.

LIMITATIONS & PRECAUTIONS

CanyonTone™ Stain is not designed for application to horizontal surfaces. CanyonTone™ Stain will freeze and become unusable at temperatures below 32°F (0°C). Do not ship or store unless protection from freezing is available. Do not apply CanyonTone™ Stain at temperatures below 50°F (10°C) or when there is a possibility of temperatures falling below 32°F (0°C) within a 4 hour period after application. Product requires complete evaporation of water to achieve cured properties. Cool temperatures and high humidity will retard cure. Do not apply if

weather conditions will not permit complete drying of material before rain, dew, fog or freezing temperatures.

CanyonTone™ Stain is a low viscosity material designed to provide color uniformity and water repellency without disturbing the natural texture of the substrate. It is not designed to fill or waterproof porous substrates under wind driven rain or other severe conditions.

SAFETY & HANDLING

Avoid breathing of vapor or spray mist. For exterior applications, approved (MSHA/NIOSH) chemical cartridge respirator should be worn by Applicator. For interior applications, provide mechanical exhaust ventilation. Air line masks or positive pressure hose

masks should be worn during interior applications. For additional information on safety requirements, refer to OSHA guidelines and Safety Data Sheet (SDS).

CLEAN UP

Use soap and water to thoroughly flush equipment. Purge water from equipment using Mineral Spirits or Cellosolve solvent. Leave the solvent in the lines and equipment until the next use.

GAF

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gaf.com

See applicable warranties and guarantees for complete coverage and restrictions.