



True Etch™ Acid Stain

DESCRIPTION

Bon Way's True Etch™ Acid Stain is a specially formulated liquid designed to color etch concrete. True Etch™ will penetrate and react with the surface of new or existing concrete to produce a permanent color etch. The result is a mottled, variegated color with the look of natural stone or aged masonry. True Etch™ can also be applied to concrete that has been colored with Bon Way™ True Color™ Hardener, Ironox™ or Spread-Tex™ to achieve an even greater variety of color and appearance options. The appearance is directly affected by the condition of the concrete surface. A completely uniform color like that made by most paints is not to be expected. New concrete should be cured a minimum of 14 days and preferably 28 days or more before applying the acid stains. Acid etching is a chemical reaction between the acid and the chemical "makeup" of concrete. Very old or weathered concrete may not contain the necessary chemicals to produce an acid etch.

FEATURES AND BENEFITS

Interior or Exterior use.

Designer look to new or existing concrete.

Four attractive color choices: Spanish Brown, Seafoam Green, Roman Bronze, Onyx Black.

PACKAGING

True Etch™ is available in 5 gallon plastic pails or 55 gallon plastic drums. (Certified to meet U.N. regulations 1H1/Y1.8/100). The 5 gallon plastic pails are equipped with a handle, a self-draining top, and are stackable.

COVERAGE

Average coverage rates will be 150-200 square feet per gallon. Coverage rates will vary depending upon the finish, age and desired appearance of the concrete.

STORAGE AND SHELF LIFE

Material must be kept from freezing. Shelf life should exceed one year.

SURFACE PREPERATION

The surface must be clean and dry. The surface must be free of all paints, stains, sealers, and oils as the water base staining material will not penetrate contaminated surfaces. If necessary use a stripper to remove stains and sealers and use an alkaline cleaner and high pressure spray to clean dirt and oil. **Do not use muriatic acid or acid based cleaners to clean the concrete prior to acid staining.** The acid will remove most of the concrete components needed to react with the staining compounds.

APPLICATION

It is suggested to perform a test to determine suitability. One or two applications can be made depending on the finish, age and desired appearance of the concrete. Apply uniformly with a commercial plastic sprayer or a spray bottle for small detail work. Brush or roller application can be used for more detailed patterns. Once applied the mixture can be "worked into the concrete" with an acid resistant brush. Slight fizzing or bubbling is normal as the stain reacts with the concrete. Allow the stain to react for a period of between 30 minutes and 4 hours, depending on the porosity of the concrete and the intensity of the color desired, with longer times generally giving a deeper color. If desired a second application may be made once the first has completely dried. If the



concrete is very dense or if it has been chemically strengthened, a second application may not significantly deepen the color. The acid stain reaction leaves some residual salts that must be completely removed by rinsing with water. A high pressure wash is recommended especially if a sealer is to be applied. The acidic, residual salts removed by the rinsing process may be regulated by local environmental laws. It may be necessary to collect the rinse water, add iron filing (like nails) after fizzing has ended, which should take a few hours.

Note: Colors shown in our printed literature and at www.bontool.com approximate the final color, after a coat of sealer has been applied. Many factors outside of our control affect the final outcome of the project. Please consider mix ratio, hydration, cement, aggregate, cure time and other factors upon review of the final project. It is recommended to perform a test pour.

HELPFUL HINT

When applying the second coat of True Etch™ wear athletic socks over shoes to prevent leaving shoe prints.

LIMITATIONS

True Etch™ will not hide or cover imperfections in the concrete such as cracks, discoloration or stains.

WARNING

Wear acid resistant gloves, acid vapor mask (NIOSH/MSHA TC 23 C approved), safety goggles and other protective clothing. True Etch™ is a corrosive hydrochloric acid based liquid. It may be fatal if swallowed. May cause blindness if splashed in eyes. Causes severe burns. Vapor harmful. Keep away from eyes and skin. Do not inhale or swallow. Do not mix with chlorine type bleaches or other household chemicals. True Etch™ can not be made nonpoisonous! Keep out of reach of children.

For use by professional contractors only.

EMERGENCY AND FIRST AID PROCEDURE

Skin: Remove contaminated clothing and rinse affected area for at least 20 minutes. Thoroughly wash with soap and water until no evidence of chemical remains. For chemical burns, cover area with proper dressing and bandage. Call a physician.

Eyes: Flush with water for 20 minutes lifting upper and lower lids occasionally. Continue irrigation with normal saline until the ph has returned to normal. Call a physician.

Inhalation: Remove from work area to fresh air. Administer artificial respiration if necessary. Call a physician.

Ingestion: Drink large amounts of water or milk to dilute acids. If vomiting persists, take fluids repeatedly.

Ingested acid must be diluted 100:1 render harmless to tissues. Call a poison center or physician.

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