

PI.144 - PRODUCT INFORMATION: ULTRA-STONE™ Antiquing Stain

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ULTRA-STONE™ Antiquing Stain is a concentrated, penetrating, stain that colors polymer modified concrete overlays to produce a permanent, variegated and translucent effect.

1. DESCRIPTION and USES:

ULTRA-STONE™ Antiquing Stain is engineered and formulated to add permanent color to colored or uncolored polymer modified concrete overlays manufactured by Elite Crete Systems Incorporated.

ULTRA-STONE™ Antiquing Stain creates variegated, uneven and translucent coloring effects resembling that of natural stone. Elegant, distinctive and lasting, the look is ideal for exterior architectural concrete surfaces as well as interior floors and walls.

Concrete overlays colored with ULTRA-STONE™ Antiquing Stain create the aged appearance of those from ancient times yet offer the design, appeal and elegance modern designers want.

ULTRA-STONE™ Antiquing Stain adds life to surfaces. Sidewalks, malls, retail floors and office complexes become alive with durable, yet imaginative, glare-reducing colors and patterns.

2. PRODUCT LIMITATIONS:

ULTRA-STONE™ Antiquing Stain is not intended to be used on plain concrete surfaces without first installing a concrete overlay system manufactured by Elite Crete Systems Incorporated. ULTRA-STONE™ Antiquing Stain is not designed to hide existing surface defects or correct construction errors. If such a result is desired, first use TEXTURE-PAVE™ or THIN-FINISH™ Pre-Mixed Overlay to resurface the concrete prior to installing the ULTRA-STONE™ Antiquing Stain.

The variegated coloring effects produced are unique to each surface and are determined by mix design, dilution, surface porosity, age, texture and substrate color.

The appearance of the finish will also vary due to the color of the surface, dilution of the ULTRA-STONE™ Antiquing Stain, number of applications, experience of use, method of application and the type of protective sealer used on the finish.

The user should verify and approve the suitability and appearance by installing a small test section.

Variations and mottling in color and intensity will occur. The coloring obtained and the depth of penetration is not predictable.

Concrete overlays from separate mixes, as well as patched areas should expect for the ULTRA-STONE™ Antiquing Stain to take differently.

The abrasion and wear resistance as well as the durability of the ULTRA-STONE™ Antiquing Stain depends on the strength and abrasion resistance of the concrete overlay as well as the protective sealer used.

The application of a protective sealer such as CSS EMULSION™ or one of many other sealers manufactured by Elite Crete Systems Incorporated will greatly assist in the protection of ULTRA-STONE™ Antiquing Stain finish.

3. COMPOSITION and MATERIALS:

ULTRA-STONE™ Antiquing Stain is a concentrated, waterborne, synthesized emulsion solution that penetrates and adds translucent, coloring effects to concrete overlay systems such as TEXTURE-PAVE™ and THIN-FINISH™ Pre-Mixed Overlays.

4. APPLICABLE STANDARDS:

ULTRA-STONE™ Antiquing Stain complies with applicable air quality management regulations.

5. COLORING EFFECTS:

ULTRA-STONE™ Antiquing Stain is packaged without pigment to allow for custom coloring with PORTION CONTROL COLORANT™ or SYNTHETIC PRIMARY PIGMENTS™. The coloring effect produced is unique. Experimentation with colors and application techniques is suggested. A test area should be installed to ensure product suitability and color.

A wide variety in coloring, mottling, and unevenness is normal and typically desired when using the ULTRA-STONE™ Antiquing Stain. These variations are enhanced when the surface is sealed.

In order to produce satisfactory coloring results, two applications of ULTRA-STONE™ Antiquing Stain is recommended.

6. SPECIAL EFFECTS:

Many unique design effects are possible. Experimentation with various colors of ULTRA-STONE™ Antiquing Stain and application techniques is suggested.

Special effects can be achieved by applying two or more colors of ULTRA-STONE™ Antiquing Stain.

Dramatically patterned flooring can be created by saw cutting abstract patterns, tiles, stones, shapes and logos in to the floor and then staining adjacent areas in different colors.

7. PACKAGING:

ULTRA-STONE™ Antiquing Stain (neutral base) is available from stock in one gallon bottles and five gallon pails.

8. COVERAGE:

Typically one to two coats of ULTRA-STONE™ Antiquing Stain is needed for achieving the desired look.

ULTRA-STONE™ Antiquing Stain is sold in concentrated form and must be diluted before use. Suggested dilution:

1. Add the desired amount of PORTION CONTROL COLORANT™ on the bottle to a gallon of ULTRA-STONE™ Antiquing Stain.
2. Apply full strength for a color coat.
3. Dilute the solution 2:1 for an antiquing coat. Water to stain.
4. Dilute the solution 3:1 for a highlight coat. Water to stain.

ULTRA-STONE™ Antiquing Stain coverage will vary depending on the dilution, porosity of the surface, texture, substrate color, composition, age, preparation and application technique.

The coverage rate is approximately 75 to 150 square feet per diluted gallon, per application.

9. SHELF LIFE:

Under normal conditions when properly stored, the shelf life of ULTRA-STONE™ Antiquing Stain is one year from date of purchase. Containers should be tightly closed and stored upright, away from direct sunlight. Stock should be rotated.

10. CAUTIONS:

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. Wash thoroughly immediately after handling. Before using or handling, read the Material Safety Data Sheet and Warranty.

First Aid:

Eyes – FLUSH IMMEDIATELY THEN SEEK MEDICAL ATTENTION. Flush eyes with large amounts of water.
Ingestion – Give large amount of water or milk. GET MEDICAL ATTENTION IMMEDIATELY.
Skin – Wash thoroughly with soap and water.
Inhalation – Move to fresh air. If symptoms develop or persist, seek medical attention.

In case of spill, absorb with inert material and dispose of in accordance with applicable regulations.

11. TEST SECTIONS:

Proper use of ULTRA-STONE™ Antiquing Stain requires experimentation, skill and practice. The color produced is unique to each surface and depends on the substrate composition, number of applications, mix design, porosity, age, texture and existing color.

To verify and approve the suitability and appearance, representative test sections must be produced prior to the general application of the stain on each individual surface for each individual color.

Test sections should be of adequate size to be representative, and be produced by the same workers who will apply the ULTRA-STONE™ Antiquing Stain using the same color, method of application and application technique. All test sections should be prepared, stained and sealed as specified.

12. EQUIPMENT:

Protective clothing and equipment should be used during the preparation and application of ULTRA-STONE™ Antiquing Stain and all safety regulations should be followed.

ULTRA-STONE™ Antiquing Stain is typically applied by brushing, sponging or by pump up type sprayers. Other types of application methods can be used such as sponge rollers, paint rollers or small spray bottles. All preparation and application procedures should be tested before use to ensure suitability.

Sponge application – The sponge should be of a professional quality.

Brush application – The brush should be of a professional quality. Brushes with colored bristles should not be used due to possible color bleed and discoloration.

Spray application – The sprayer should be of a professional quality with a fan tip. An airless sprayer is not recommended.

For residue and runoff collection, a wet vacuum may be used.

13. SUBSTRATE PREPARATION:

Prior to the application of ULTRA-STONE™ Antiquing Stain, a test area must be produced and approved.

Surrounding areas, landscaping and adjacent surfaces should be protected. The work area should be sectioned off, nearby vehicles should be removed and appropriate sections should be closed to traffic.

Prior to applying ULTRA-STONE™ Antiquing Stain, precautions should be taken to prevent water penetration into the surface to be stained. Sprinklers and fountains should be adjusted to avoid wetting the surface.

ULTRA-STONE™ Antiquing Stain will dry faster and require additional stain in hot, dry or windy conditions. Rain may cause stain runoff, which will damage adjacent areas or landscaping.

All surfaces should be dry and any liquid release should be 100% evaporated prior to the application of ULTRA-STONE™ Antiquing Stain.

14. APPLICATION PROCESS:

All surfaces must be dry as described in section 13. The application procedures should be planned so the wet surface will not be stepped on. Safety precautions must be followed and full protective gear must be worn.

ULTRA-STONE™ Antiquing Stain should be diluted prior to application as described in section 8. The color of the ULTRA-STONE™ Antiquing Stain solution will have no resemblance to the final color produced. The ULTRA-STONE™ Antiquing Stain will initially have a milky look but will turn translucent as the antiquing begins to take place.

ULTRA-STONE™ Antiquing Stain must be puddled and flooded on and not applied like paint.

Dry time varies depending on weather conditions, temperature and humidity. Depending on the desired color, allow the ULTRA-STONE™ Antiquing Stain to antique on the surface until fully dry and all puddles are evaporated.

15. SEALING:

ULTRA-STONE™ Stain should be sealed for ease of maintenance and to protect the surface, using materials that have demonstrated compatibility. Seal as soon as the surface can be walked on, approximately 6 to 12 hours after the staining process has been completed. Additional information is available in the Elite Crete Systems Technical Data TD-414 SEALER OPTIONS.

All sealed surfaces should be inspected to verify and approve installation and safety, including wet and dry slip resistance prior to opening the area to traffic.

16. AVAILABILITY:

ULTRA-STONE™ Antiquing Stain is marketed nationwide and internationally, directly to trained installers through strategically located authorized distributor and suppliers.

17. WARRANTY SUMMARY:

For the complete warranty statement and important limitations, read the Material Safety Data Sheet and Warranty. Generally, Elite Crete Systems, Incorporated represents and warrants only that its products are of consistent quality. No other oral or written statement is authorized. Any liability is limited to refund or replacement of the defective product. The end user shall determine product's suitability and assume all risks and liability.