



# Specialty Flooring Products

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## TECHNICAL DATA: Acid Stain "AST"

### Acid Stain "AST"

NC- Acid Stains "AST" are acid based stains that react with the concrete as they impregnate and penetrate into the surface to produce an antiqued, mottled, and variegated permanent color in concrete.

Recommended Uses: Concrete and Overlayment Systems

### General Product Data

**SOLIDS BY WEIGHT:**

Proprietary

**SOLIDS BY VOLUME:**

Proprietary

**VOLATILE ORGANIC CONTENT:**

Acid based material NO Vic's

**FINISH CHARACTERISTICS:**

Produces an antiqued mottled and variegated color in concrete

**IMPACT RESISTANCE:**

No effect, used for color purposes only.

**ABRASION RESISTANCE:**

Abrasion resistance is only altered after seal coat is applied

**RECOMMENDED FILM THICKNESS:**

Apply until surface is saturated without puddles. Can be applied by acid resistant pump sprayer, brush or sponge

**COVERAGE PER GALLON:**

When the surface is fully saturated, coverage will depend on the absorptivity of the substrate resulting in 100 to 250 square feet per gallon coverage.

**PACKAGING INFORMATION**

1 gallon (volume approx.)

**SHELF LIFE:**

1 year in unopened containers with no loss of activity

**STANDARD COLORS:****Odor:**

Slight pungent

**ADHESION:**

Because this material becomes an integral part of the surface that is treated and does not form an impermeable barrier, delaminations do not occur.

**Toxicity**

Harmful if Swallowed

**DOT CLASSIFICATIONS:**

Not regulated

**MIX RATIO:**

Required none

**CURE SCHEDULE:**

Cured when floor is dried thoroughly  
Acid stains stop reacting after about 4 hours

**REACTIVE:**

Acid stains are reactive. They react with the calcium and the fines in the concrete

**APPLICATION TEMPERATURE:**

35-90 degrees F with relative humidity below 75%

**UV Stable**

Yes, once sealed

**SEALER :**

NC-WBE Water Based Epoxy or SBE- Solvent Based Epoxy , ABS- Acrylic Seal

**TOPCOAT:**

NC- WBE Water Based Epoxy , SBE- Solvent Based Epoxy, HPU High Performance Urethane, or CCEB Crystal Clear Epoxy Binder

**LIMITATIONS:**

- \* Always apply a test patch to determine the suitability before using.
- \*Physical properties listed on this technical data sheet are typical values and not specifications.
- \* Allow to completely dry before polishing.
- \* Product may slightly darken the substrate.
- \* Stain may not react with contaminated areas in concrete.
- \* Remove spills as soon as possible to limit non-staining possibilities.
- \*Physical properties listed on this technical data sheet are typical values and not specifications.
- \*See reverse side for application instructions.

# Acid Stain “AST”

## Mixing and Application Instructions

**PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50 and 80 degree F. Keep from freezing.

**SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application.

**PRODUCT MIXING: None Required**

**PRODUCT APPLICATION: FLOOR PREP-** concrete must be prepared in a manner that leaves the surface free from contaminants that may prevent penetration and absorption.

Recommended floor prep is screening the floor with a 100 or 120 grit screen on a floor buffer or swing machine. Dry preparation is always recommended over wet or chemical preparation.

**INSTALLATION-** Using a pump sprayer apply material in a Random manner being careful to saturate the surface while not leaving puddles. One may have a person with a acid resistant broom or deck brush agitating material slightly. Be careful not to leave broom marks in finished stain as they will be permanent.

**CLEANING-** Once the surface is dry the residue can be simply rinsed thoroughly and when dry a sealer may be applied. No neutralizing is required!

**SEALING-** Apply a suitable sealer for concrete after the concrete surface is clean and dry. Multiple coats may be needed to achieve desired gloss and surface texture

**RECOAT OR TOPCOATING: :** Normally one coat is all that is required. It is best to make a second pass when desired color is not achieved. Multiple coats can be layered to achieved different effects in color and design

**CLEANUP:** Water Clean up

**FLOOR CLEANING:** Caution! Although very unlikely, some cleaners may affect the color of the treated surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

**RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until 24 hours has passed. Keep the floor dry for this period (excluding the application of the product and rinsing.)

## Warranty Statement

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. No warranty is made, expressed or implied, regarding such other information, the data on which it is based, or the result you will obtain from its use. No warranty is made, expressed or implied, that our products shall be merchantable or that our product shall be fit for any particular purpose. No warranty is made that the use of such information or our product will not infringe upon any patent. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may cause serious physical injury. Before using, read the material safety data sheets and follow all precautions to prevent bodily harm.