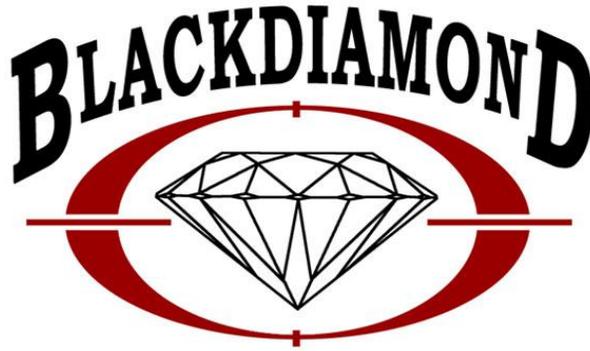


Experience



Excellence

Acid Stain "AST"

Black Diamond 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

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:

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

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.

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Black Diamond 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

Since no control is exercised over product use, The Nikka Corporation warrants that its products are manufactured free from defect and are consistent and within manufacturing tolerances on our data sheets. No other oral or written representation or statement of any kind, expressed or implied, now or hereafter made is authorized or warranted by The Nikka Corporation. This product is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular use. The Nikka Corporation shall have no liability for incidental or consequential damage, direct or indirect. Our liability is limited to price of or replacement of our product at our option. By accepting delivery of our product means that you have accepted the terms of The Nikka Corporation Warranty.

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