

Experience



Excellence

BD-SURFACE SHIELD

BD-SS is a single component polymer floor coating. Surface Shield is a highly durable yet sacrificial floor coating that help maintain the life expectancy of polished concrete, epoxy floors, and decorative concrete flooring systems.

RECOMMENDED USES FOR: Concrete, overlays and acrylic sealers, epoxies, urethanes and many other decorative concrete floor systems.

GENERAL PRODUCT DATA

SOLIDS BY WEIGHT:

35% Concentrate

SOLIDS BY VOLUME:

Proprietary

VOLATILE ORGANIC CONTENT:

< 50grams VOC'S

RECOMMENDED FILM THICKNESS:

+/- 1 mil

COVERAGE PER GALLON:

2000 sqft per gallon

PACKAGING INFORMATION

1 gallon and 5 gallon (volume approx.)

SHELF LIFE:

6 months in unopened containers

STANDARD COLORS:

clear to very opaque color

FINISH CHARACTERISTICS:

Hi Gloss. The overall finish characteristics are determined by the application method and burnishing.

IMPACT RESISTANCE:

N/A

ABRASION RESISTANCE:

The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

FLEXIBILITY:

N/A

ADHESION:

This product has excellent adhesive properties.

VISCOSITY:

Less than 50 cps

DOT CLASSIFICATIONS:

Not regulated

MIX RATIO:

Cut the concentrate with water, floor coating ranging from 15% up to 27% can be produced. We recommend mixing one part Concentrate with one part water by volume (17.9% solids)

CURE SCHEDULE:

Allow the material to completely dry to obtain the maximum benefits of the application. Light foot traffic can usually be allowed within 8 hours. For heavier usage, allow for 24 hour cure before use. For high speed burnishing, allow to cure for 24-48 hours before burnishing

PRIMER:

Required none

TOPCOAT:

Multiple applications are normally required

APPLICATION TEMPERATURE:

55-90 degrees F with relative humidity below 75%

CHEMICAL RESISTANCE:

N/A

LIMITATIONS:

- * The surface should be completely dry prior to the application of this product.
- * This product is intended for interior use only.
- * Allow to completely dry before burnishing.
- * Surfaces may be slippery when wet or contaminated with foreign substances.
- * Remove spills as soon as possible to limit staining possibilities.
- * Physical properties listed on this technical data sheet are typical values and not specifications.
- * See reverse side for application instructions.

BLACK DIAMOND SURFACE SHIELD

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: Repair any damaged surfaces with a suitable product. Make sure surface to be waxed is completely dry. If the floor is not completely dry, the wax will not set or cure properly. All dirt, oil, dust, foreign contaminants must be removed to assure a trouble free application..

PRODUCT MIXING: None Required

PRODUCT APPLICATION: Stir material before using. Always apply a small test area before undertaking the entire job. Stir material before using. After mixing, dilute with water to the desired strength and again mix thoroughly. You can apply the polish with a nylon looped wax applicator mop or a flat wax applicator mop after you set up all necessary caution/wet floor signs and cordon off all areas that will have polish applied. There should not be any traffic through this area until all of the coats are applied and completely dry. Typical coverage rates are 2,000 square feet per gallon per coat; for example, 1 gallon would provide 4 coats on a 20'x25' (500 ft²) room. When using a flat wax mop, you can pour the polish into the open back of the mop and for looped end wax mops, we recommend dipping it into the polish in your bucket, and slightly wringing it out, so the mop is damp. Apply a "thin" coat of polish to the floor. If the first layer is too thick, the polish can cure improperly and not bond well and the rest of the polish coats will be ruined; which will require you to strip off what you just laid down, and start over. The most effective way to apply the polish throughout a room is to start at the entranceway and outline the room, running along the baseboards first, then fill in the rest of the area by working back and forth until you work your way out the door. A 15 - 25% overlap is common to ensure no areas are missed. If any polish is splashed onto the baseboards or surrounding objects, it should be removed immediately. The 1st coat must be allowed to completely dry before applying the subsequent coats. About 20 - 30 minutes is typically a good amount of time to let each coat dry before starting the next coat of polish. Repeat the above instructions after allowing the previous coat to completely dry. Typical applications for the polish are three to four coats. The more coats you put down, the more protection you'll provide for the floor. It is a good idea to allow as much time as possible for the final coat to cure and adhere before allowing foot traffic. Typically 8 hours of curing is adequate before opening it up to the public. Product is intended for indoor applications. .

RECOAT OR TOPCOATING: Typically more than one coat is required

CLEANUP: Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

FLOOR CLEANING: Caution!, some cleaners may affect the polish 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. For wet burnishing maintenance add 12 ounces of the 7960 full strength concentrate to a gallon container and fill the container with water and mix well; then spray a slight mist onto the floor and buff. Test a small area first before performing on a larger area

RESTRICTIONS: Restrict the use of the floor for at least 8 hours and preferably 24 hours . Keep the floor dry for this period. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

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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