



VINYL FLOOR COAT

DATA SHEET

SDS-BIONIC VINYL FLOOR COAT

DESCRIPTION

SDS-Bionic Vinyl Floor Coat is designed to protect most types of vinyl flooring products by providing a durable, thin layer of quartz over the surface, which will provide a low-maintenance, durable surface which resist most stains and scuff marks without the need for waxing.

SURFACE

Vinyl floor products, Linoleum, and Vinyl Composition Tile.

SOLUTION

Scuffs, acid etching, and food and beverage stains.

CHARACTERISTICS

Color: Clear to slight amber to rose (depending on temp and humidity) always dries clear.

Finish: Gloss only

Vehicle Type: Solvent Base

Flash Point: (C Penskey-Martens closed Cup) 25°C/77°F

VOC: less than 100 g/L

Weight per Gallon: 7.36 lb

Non-breathable

TESTING

ASTM D-3363 Film Hardness Taper, 39.11 average

*Always obtain independent test for the static coefficient after applying any coating on walking surface to verify new application meets OSHA requirements.

SPREAD RATE

Recommended Spread Rate per coat:

Wet mils: 2.0 to 3.0

COVERAGE

Coverage: 500 to 800 Sq. Ft./Gal. (approximate) Coverage will vary depending on applicator, the porosity and texture of the substrate.

SURFACE PREPARATION

Before applying SDS-Bionic Vinyl Floor Coat, make certain the areas to be coated are completely clean of oils, dirt, scuff marks, and any loose tiles, or sheet vinyl are re-glued, and in sound condition. Use SoSafe Spray Away Concentrate.

NEW VINYL FLOORS

New vinyl floors are recommended to have 3 to 4 coats of a good quality acrylic emulsion wax applied and burnished to desired shine as a base prior to applying the SDS Vinyl Floor Coat. (Any visible marks or dirt not cleaned prior to the application will show through our coating)

EXISTING VINYL FLOORS

Existing vinyl floors don't need to be stripped unless they are in bad condition. The existing floor should have at least 3 to 4 coats of a quality acrylic emulsion wax as a base that is in good condition. Burnish the last coat to the desired shine before applying the SDS-Bionic Vinyl Floor Coat. (Any visible marks or dirt not cleaned prior to the application will show through our coating)

APPLICATION INSTRUCTION

Test Area

Always test SDS-Bionic Vinyl Floor Coat in an inconspicuous location to ensure adhesion and that the desired look is achieved.

Application

Once surface has been properly cleaned and prepared, mask off any adjacent surfaces to avoid accidental coating. Inspect and clean one more time to make certain no contaminants got on floor after masking. Stir the contents thoroughly to re-suspend the nano particles that have settled to the bottom. You may notice a ¼ build up in the bottom of the can. Make certain these materials get completely mixed into the container. Make certain to re-stir every 15-20 minutes to ensure proper re suspension of the nano particles throughout the project.

Pump Sprayer

Stir the contents thoroughly in the container to re-suspend the nano particles that have settled to the bottom before pouring into sprayer. Typically about ¼" of buildup will be present in the bottom of the can. All of this needs to be resuspended for the coating to perform. Make certain to re-shake every 15-20 minutes to resuspend the settling nano particles to ensure proper performance. Using an SP brand acetone/alcohol proof pump sprayer or equivalent, install a red fan tip on the wand, as this provides the most even application. The SP sprayer is equipped with a valve stem, like on a car tire. It is recommended to keep an even amount of pressure while spraying in order to keep a consistent look. We recommend hooking up a compressor and air hose with a quick release to the valve stem on the SP sprayer and then supply the SP sprayer with a constant 25-30 PSI. This will provide an even flow and finish. To start spraying, hold the tip square to the surface being coated at a distance of 10" to 12" off the floor. In a separate container, begin spraying into the container to avoid initial spitting of product on the floor caused from air trapped in the spray wand. When you stop spraying, also stop the flow in the separate container, as spray wands often drip a few drops after handle is released. You want to provide even distribution of the coating, so a smooth circular motion should provide good coverage. This product should go on thin and never allow puddling. It is always best to spray on a few mock ups to get the feel of applying this product before attempting an actual project. Be careful not to apply too thick (THIN TO WIN) or allow the product to puddle, as this will cause too much surface tension and possible bubbles or delimitation. Do not apply a second coat unless there is a flaw in your application of the first coat. If a second coat is necessary, wait 24 hours for the surface to dry. Then abrade the

surface with 220 grit sandpaper or a green pad on a buffing floor machine to allow the second coat to bond. Clean floor of dust and reapply.

DRY TIME

Drying Time (@ 77 F, 50% RH): Drying time is temperature, humidity and film thickness dependent.

Touch: 2-3 hours

Through: 3-5 hours

Light Foot Traffic: 5-8 hours

Full Cure: 7 Days

INTERRUPTION OF WORK

Upon drying, treated surfaces may appear similar to untreated surfaces. It is possible areas could remain untreated if work is interrupted. It is advisable to stop application on a corner joint or any other obvious marker so the applicator can begin where the application had previously ceased.

CLEAN UP

Clean tools and flush equipment with acetone thoroughly immediately at the conclusion of application, as once the product dries, it will not come off with the acetone.

CAUTION

Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection. Fresh air and exhaust should be provided in enclosed work areas. If inhaled, remove affected person to fresh air and call physician immediately if physical difficulties occur. Wear butyl-rubber gloves and other skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water. Chemical safety goggles or splash shields are required. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention.

CARE & MAINTENANCE

Mop periodically with plain water. Use SoSafe Spray Away Concentrate in extra dirty areas then rinse with fresh clean water and mop dry. Never use vinegar to clean the finish as, over time, this will break down the coating. If paint or ink get spilled onto coating, simply use, SoSafe Spray Away Concentrate, then rinse with fresh clean water and dry with mop. Although SDS-Bionic Vinyl Floor Coat is scratch resistant, it is not scratch proof. Do not use abrasive cleansers or abrasive scouring pads. If an area gets damaged or is mechanically abraded, lightly sand the area with 220 grit sandpaper and reapply SDS-Bionic Vinyl Floor Coat. If the substrate is damaged at the same time, make the necessary repair first, and then re-apply SDS-Bionic Vinyl Floor Coat.

LIMITED 2 YEAR WARRANTY

SDS-Bionic Worldwide guarantees SDS-Bionic Vinyl Floor Coat to be defect free from date of purchase for 2 years and any material that is proven to be defective will be replaced in a like quantity by the manufacturer with proof of purchase receipt, and provided it has been applied according to the instructions on container and data sheet along with other related guidelines posted at sds-bionic-worldwide.com. This warranty only extends to the owner of the property upon which the product is applied and is nontransferable. Seller will replace product 100% of full value for the first 1 year then prorated for the remaining 1 year. Warranty does not cover wear and tear only manufactures defects. Any warranty claim must be made in writing and sent to Seller with supporting materials and access to the property for inspection and testing as requested by Seller. Seller will thereafter provide replacement product for product found to be defective. This warranty is

given in lieu of all other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The remedy stated herein is an exclusive remedy and Seller shall not be responsible for any other damages, including labor or any incidental, consequential, special or punitive damages, whether based on breach of express or implied warranty, negligence, strict liability or other legal theory.