

Dek-Guard SG



Interior Waterborne 2-Part Epoxy Floor Coating

Semi-Gloss Finish • **6530**

Product Description

Dek-Guard SG Interior Waterborne 2-Part Epoxy Floor Coating is a high performance water-based, two component epoxy coating specially formulated for finishing interior concrete garage floors. It provides excellent coverage, superior chemical and stain resistance, and a rich, durable gloss finish that is abrasion resistant, and offers the same performance characteristics as solvent-based two component epoxy floor coatings. **For interior use only.**

Recommended Substrates

- Interior concrete floors
- Interior wood floors

Product Features

- Low odor
- Corrosion, chemical & solvent resistant
- Impact, scrub & abrasion resistant
- Soap and water clean up
- Self-priming on wood & concrete

Product Limitations

This product is for use on properly prepared floors and above grade vertical substrates. May yellow over time and if exposed to prolonged exposure to fossil fuel burning fumes. Not recommended for exterior use; as accelerated chalking and fading will occur. Do not apply if air, product & substrate temperature is <55° or >100° F. Expect longer dry times at lower temperatures & higher relative humidity.

Application:	Brush, roller, airless or conventional spray
Flash Point:	>200°F Non-Flammable
Clean Up:	Soap and water
Available bases 6530:	Off White
Available bases 6533:	Accent Base
Available bases 6535:	Gray
Available bases 6536:	Tan

NOTE: this product is filled to a full 102.4 ounces in the can, before adding colorant. If colorant is added, the pre-measured converter will not fit in the can. The product **MUST BE MIXED** in a larger container, preferably a clean 5-gallon pail.

Compliance

These products are VOC compliant based on limits provided by EPA, MPI GPS-1 and OTC Phase 1.

Product Data

Product Type: **Waterborne Polyamide Epoxy**

6530
Gloss @60°: 40 - 80

Wt Solids ±2%: 53%
Vol Solids ±2%: 41%
Wet Film Mil: 5.3 - 7.3
Dry Film Mil: 2.2 - 3.0
Coverage / Gal*: 220 - 300

* coverage and wet and dry millage will vary by substrate type and porosity.

VOC gms p/L**: <175

** converted gallon kit less exempt solvents and before the addition of colorant

Viscosity KU ±5: 87
Dry time @ 50% RH***: 5 - 8 HRS to touch
7 - 10 HRS to recoat
16 - 24 HRS for light foot traffic
7 Days full cure

*** dry times, pot life & recoat times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment

Induction Time: None
Pot Life: 60 - 90 Min @ 77°F & 50% Relative Humidity
Recoat Window: 24 HRS****

**** >24 hours, product must be scuff sanded with 220 grit sandpaper before re-coating

Shelf Life: One (1) Year unopened

Horizontal Traffic Types:

Light Foot Traffic	Y	Vehicular Traffic	Y
Heavy Foot Traffic	Y	Forklift	Y*
Steel Wheel Carts	Y	Heavy Vehicle & Equipment	Y*

* Highly recommend Flo-Guard 5140 Urethane or other approved topcoat

Return to Service Time Chart ^

@ 77°F & 50% Relative Humidity

Light Foot Traffic	24 HRS	Vehicular Traffic	7 Days
Heavy Foot Traffic	3 Days	Forklift	7 Days
Steel Wheel Carts	3 Days	Heavy Vehicle & Equipment	7 Days

*May vary by relative humidity, temperature, film build, color & air movement of the application environment.

Chemical Resistance Chart

Y = Resistant N = Not Recommended S = Splash / Spillage

Animal Urine	Y	Cooking Oil	Y	Motor Oil	Y
Antifreeze	Y	De-Icing Salts	Y	Mustard	S*
Bleach	Y	Detergents	Y	Sodium Hydroxide 50%	S*
Brake Fluid	Y	Gasoline	S*	TriSodium Phosphate	Y
Calcium Chloride	Y	Isopropyl Alcohol	Y	Windshield Wiper Fluid	Y

*Will stain unless promptly removed

Performance Testing Data

Abrasion Resistance ASTM D2486	CS-17, 500 cycles, 54 mg loss
Adhesion ASTM D4541	425 psi, 100% concrete failure
Flexibility ASTM D522, 180° bend, 1/4" mandrel	Pass
Impact Resistance ASTM D2794	Pass - 50 inch pounds

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Surface Preparation: Sweep the floor to remove all excess dirt and debris. Any grease or oil spots should be cleaned first with a degreaser type cleaner. Clean the floor a section at a time (10' x 10') with a strong detergent using a stiff broom to scrub the surface. Thoroughly rinse with a hose and if necessary, use a squeegee to remove any standing water. Allow floor to dry completely before applying any coatings.

Bare Concrete: All new concrete and masonry substrates should be at least 30 days old before painting! Test the floor for the presence of a sealer by sprinkling water onto several areas of the floor. If the water beads and does not soak in, a sealer is present and must be removed with a chemical paint stripper, a concrete floor sander, or shot blasting. All bare concrete floors should be etched with a 10% solution of Muriatic Acid. To etch the floor, use a mixture of one (1) part Muriatic Acid mixed with four (4) parts water. Be sure to wear personal protection gear (goggles, gloves, boots, etc.) and follow the manufacturer's instructions and safety precautions when working with Muriatic Acid. Working in sections (10' x 10'), apply a generous amount of the acid solution with a plastic sprinkling can, and allow the solution to effervesce until it stops reacting. Rinse the surface thoroughly with a garden hose, not allowing the acid to dry on the surface. This process should create a surface texture like that of 120 grit sandpaper, or the etching process must be repeated. The pH of the concrete must be in the 6 - 10 range before applying any coatings. If below a pH of six (6); flood rinse again or neutralize with baking soda solution and rinse thoroughly. Re-test for pH. Allow the floor to dry for at least 24 hours. Before painting, test the floor for excessive moisture by applying a 2' x 2' sheet of plastic to the floor with duct tape and allow it to set for 24 hours. If water droplets appear on the underside of the plastic, or the concrete appears wet (darker in color), the moisture content of the floor is too high and should not be painted.

Previously Painted Floors: Remove any loose, cracked, or peeling paint by hand scraping, sanding, wire brushing, or by power tool cleaning. Any glossy surface areas should be sanded to dull the finish. Cracks, holes, and damaged concrete must be filled with a suitable concrete based patching material, carefully following the manufacturer's instructions. Test the adhesion of the remaining paint by cutting an X in the paint with a single edge razor blade. Apply a 5" piece of duct tape firmly over the X. Remove the tape with one quick pull. If more than 25% of the paint comes off with the tape, the old coating must be completely removed. Do not acid etch previously painted floors. Test the floor for moisture as previously outlined before painting. See Florida Paints AG01: Floor Coatings Application Guide for additional details on application tools and methodologies.

Mildew: Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water and allow a minimum of 24 hours to dry thoroughly.

Mixing Instructions: This product is formulated as a 8.55# - 1.75# ratio mix, (1 partially filled gallon and a pre-measured quart). This product is filled to a full 102.4 ounces in the can, before adding colorant. If colorant is added, the pre-measured converter will not fit in the can. This product **MUST BE MIXED** in a larger container, preferably a clean 5-gallon pail. Thoroughly stir the Part A base and 6539 Activator (Part B) before combining. Pour the total contents of Part A into the 5-gallon pail, then add the Part B. Be certain to incorporate all of Part B into Part A as this effects the color and hiding. After thorough mixing, you may begin to paint; there is no induction time. Mixed material has a 60 - 90 minute pot life after combining, and should be applied during this time.

NEITHER COMPONENT WILL WORK UNLESS MIXED WITH THE OTHER! Do not re-use containers that have been converted or mix with previously catalyzed material.

Thinning: DO NOT THIN! Stir thoroughly and apply as it comes from the container. Thinning is not necessary.

Application: Apply when surface, product and ambient temperatures are above 55° F and below 100° F; and relative humidity is <85%. Avoid paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint. To assure color uniformity always intermix multiple containers of custom tinted and stock colors. Apply a small test sample to verify color. Always paint to a natural break in the surface, such as a corner or edge. When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting edges or corners. When applying by roller cover, use a 1/2" nap shed resistant woven roller cover for best results. Apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive re-spreading or reworking. During spray application, use a 50% overlap to avoid pinholes, holidays, and voids. If necessary, apply again at a right angle. Maintain a wet edge during application by brushing, rolling, or spraying into previously applied coating area.

Coverage & Dry Time: Covers approximately 220 - 300 square feet per gallon, depending on the method of application and the porosity of the surface to be painted. Dries to touch in approximately 5 - 8 hours and may be recoated in 7 - 10 hours when humidity is low. Allow Do not use when air, surface or product temperatures are below 50°F or above 100°F. Cleaning should not occur until 30 days after the initial application.

Recoating: Always test before recoating or top-coating. Test by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Colder temperatures will require more cure time for the product before recoating can commence. Before recoating or top-coating, check the coating to insure no contaminants exist; such as an epoxy blush. If necessary, clean the surface prior to recoating with a standard type detergent cleaner. Then recoating this product with subsequent coats of the self or approved topcoat, it is advisable to apply the recoat before 24 hours passes. After 24 hours, degloss the previous coat to insure a trouble-free bond.

Clean Up: Minor spills, painting tools and spray equipment should be immediately with warm soapy water. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

SAFETY - KEEP OUT OF REACH OF CHILDREN! • DO NOT TAKE INTERNALLY! • USE WITH ADEQUATE VENTILATION!

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

HAZARD STATEMENTS: DANGER! Causes serious eye damage. **WARNING!** Causes eye & skin irritation. May cause drowsiness or dizziness. Harmful to aquatic life.

PRECAUTIONARY STATEMENTS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a well-ventilated area.

FIRST AID: IF SWALLOWED: Do not induce vomiting. Immediately call a POISON CENTER/doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed, feel unwell or are concerned: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

STORAGE: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

Storage and Disposal

Product should be kept from freezing temperatures and stored in a cool dry location. Refer to your local city or county government for instructions on disposal options.

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