

Interior Waterborne 2-Part Epoxy Floor Coating

Gloss Finish • **6540**

Product Description

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, 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 | 6540: WB | AB

Also select from TropiCrete floor color chart

Available bases | 6545: Gray

Available bases | 6546: Tan

Compliance

These products are VOC compliant based on limits provided by EPA, MPI GSP-1, LEEDv4, and OTC.

Product Data

Product Type: **Waterborne Polyamide Epoxy**

6540

Gloss @60°: 90

Wt Solids ±2%: 51%

Vol Solids ±2%: 38%

Wet Film Mills: 6.4 - 8.0

Dry Film Mills: 2.4 - 3.0

Coverage / Gal*: 200 - 250

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

VOC gms p/L**: <235

** less exempt solvents and before the addition of colorant

Viscosity KU ±5: 95

Dry time @ 50% RH***: 4-6 HRS to touch

12-16 HRS to recoat

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 30 Min @ 77°F & 50% Relative Humidity

Pot Life 2 - 4 HRS @ 77°F & 50% Relative Humidity

Recoat Window 24-36 HRS****

**** >36 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 Sundeavor 5140 Urethane 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%	Y
Brake Fluid	S*	Gasoline	Y	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, 1000 cycles, 28 mg loss
Adhesion ASTM D4541	405 psi, 100% concrete failure
Flexibility ASTM D522, 180° bend, 1/4" mandrel	Pass
Scrub Resistance ASTM D2486	Pass - Excellent

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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 allow floor to dry completely. If necessary, use a squeegee to remove any standing water.

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 similar to that of 180 grit sandpaper, or the etching process must be repeated. 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.

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.

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. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

Directions for Use:

Mixing Instructions: This product is formulated as a 3 - 1 ratio mix, (1 partially filled gallon and a full quart). Thoroughly stir the Part A base and 6539 Activator (Part B) before combining. Pour the total contents of Part B into the Part A container. Be certain to incorporate all of Part B into Part A as this effects the color and hiding. After thorough mixing, allow product to stand for 30 minutes (induction time) before starting to paint. Mixed material has a 2-4 hour 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.

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

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:

CAUTION: Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. USE WITH ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

Caution! There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the particles and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at www.epa.gov/lead.

DO NOT TAKE INTERNALLY! FIRST AID: In case of skin contact, wash thoroughly with appropriate cleaning solvent followed by plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes, SEEK IMMEDIATE MEDICAL ATTENTION! If affected by inhalation, move immediately to fresh air. If swallowed, DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!

Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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