

# Dek-Binder



100% Solids Pigmented  
Epoxy Floor Coating

Gloss Finish • **6640**

## Product Description

Dek-Binder is a high performance 100% solids, two component epoxy coating specially formulated for applications where a high build, impact resistance floor is required. It provides excellent coverage, superior chemical and stain resistance, a rich, durable gloss finish that is abrasion and chemical resistant. The 100% solids formulation provides a low VOC and low odor solution for your flooring needs.

### Recommended Substrates

- Interior properly prepared concrete floors
- Finished product or color basecoat for chip or flake decorative floors
- Warehouses, kitchens, restroom and garage floors

### Product Features

- Low VOC and low odor
- Corrosion, chemical & solvent resistant
- Impact, scrub & abrasion resistant
- High build
- Self-priming on properly prepared concrete

### Product Limitations

- For use on properly prepared floors.
- Do not apply if air, product & substrate temperature is <55° or >90° F.
- Not recommended for exterior use; as accelerated chalking & fading will occur.
- Expect longer dry times at lower temperatures & low relative humidity
- This product is not color stable and may be affected by high humidity, low temperatures, chemical exposure or exposure to lighting such as sodium vapor lights.
- A moisture barrier is required when applied on grade.
- High performance (soft) tires may stain finish (plasticizer migration)
- Always test floor cleaners for ill effects before widespread use.

**Application:** Squeegee, brush or roller  
**Flash Point:** >200°F Non-Flammable  
**Clean Up:** Xylene

Available Colors | 6640 \*White  
 Available Colors | 6641 Fazor Tan  
 Available Colors | 6642 Light Gray  
 Available Colors | 6643 Medium Gray  
 Available Colors | 6644 \*Camel  
 Available Colors | 6645 \*Black  
 \* Special Order and custom colors are available (50 GAL)

**Packaging Information:** 3 Gallon Kits (-2.95 gallons)  
 15 Gallon Kits (-14.75 gallons) \*Special Order

### Compliance

These products are VOC compliant based on limits provided by EPA, CARB, MPI GSP-1, MPI GSP-2, LEEDv4, OTC and SCAQMD.

### Product Data

Product Type:	<b>Solventborne Epoxy</b>
	<b>6640</b>
Gloss @60° :	70 - 95
Wt Solids ±2%:	100%
Vol Solids ±2%:	100%
Wet Film Mil:	16.0 - 17.8
Dry Film Mil:	16.0 - 17.8
Coverage / Gal *	90 - 100
* coverage and wet and dry millage will vary by substrate type and porosity.	
VOC gms p/L**:	<2
** less exempt solvents and before the addition of colorant	
Viscosity KU ±5:	102
Dry time @ 50% RH***:	5 - 8 HRS to touch
	8 - 12 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	None
Pot Life	30 - 50 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

### Return to Service Time Chart

@ 70°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

Acetic Acid 5%	S	Butanol Alcohol	S	Motor Oil	Y
Animal Urine	Y	Ethyl Alcohol	S	Skydrol	S*
Antifreeze	Y	Gasoline	Y	Sodium Hydroxide 10%	Y
Bleach	Y	Hydrochloric Acid 10%	S*	Sulphuric Acid	S*
Brake Fluid	S*	Methyl Ethyl Ketone	N	Xylene	S*

\*May stain unless promptly removed

### Performance Testing Data

Abrasion Resistance	ASTM D2486	CS-17, 1000 g, 500 cycles, 36 mg loss
Adhesion	ASTM D4541	450 PSI, 100% concrete failure
Compressive Strength	ASTM D695	9,100 PSI
Flexural Strength	ASTM D790	5,400 PSI
Hardness (Shore D)	ASTM D2240	80
Tensile Strength	ASTM D638	4,800 PSI

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# Dek-Binder



# FLORIDA PAINTS

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## Surface Preparation:

Sweep the floor to remove all excess dirt and debris. Any wax, grease or oil must be removed 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.

**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.

**Previously Painted & Bare Concrete:** All existing coatings, laitance, curing compounds, and bond breakers must be removed via shot blasting, scarifying or diamond grinding and provide a suitable profile in accordance with ICRI CSP-3 to CSP-4. Abrasive blasting or grinding is to leave the concrete in a uniform texture, over-blasting will result in reduced coverage rates of subsequent coats of primer and finish. Sweep and vacuum any remaining dust, dirt or contaminants with a wet/dry vacuum. All dirt, foreign contaminants, and laitance must be removed to assure a trouble-free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbanding.

**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](http://www.epa.gov/lead). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**Directions and Tools Required:** Spiked shoes, smooth or notched squeegee, 3/8" solvent resistant rollers, wet mil thickness gauge, porcupine or spike roller. See Florida Paints Floor Coatings Application Guide for additional details on application tools and methodologies.

**Priming:** Prime concrete with approved epoxy primer before applying this product. If a primer is not used, more porous substrates may cause out-gassing and surface defects.

**Mixing Instructions:** This product has a mix ratio of 12.0# part A to 4.15# part B. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Take care not to whip air bubbles when mixing as the bubbles will be difficult to remove once product is applied to the concrete floor. Improper mixing may result in product failure. Do not leave pail upside down onto floor as unmixed A & B may drain onto the floor, creating a spot that will not cure. Do not re-use containers as there will be material left in the can that will re-wet with new product and cause curing issues. **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 90° 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 and working towards the exit. Pour epoxy from the mixing container in a ribbon and spread with a squeegee and immediately backroll to 16-18 mils thickness. Ensure that coating is bubble and pinhole free; if substrate condition over aggressive mixing causes air entrapment, then a porcupine or spike roller should be used prior to the coating tacking off to remove the air entrapped in the coating. This product can be used with a variety of quartz, colored sand or metal or vinyl chips to create a desired look or pattern. **DO NOT THIN:** Mix thoroughly and apply as it comes from the container. Thinning is not necessary.

**Broadcast:** See Florida Paints Epoxy Application Guide for details on application methodologies.

**Recoating:** If a topcoat is to be applied, stay within the recoat window or the surface will have to be sanded or screened to create a mild profile. Check the coating to be sure it has tacked off and that no epoxy blushes were developed (a whitish greasy film or deglossing). If blushing is present, it must be removed with warm soapy water and abrasive pad or xylene. If topcoating a vinyl chip floor, screen the floor to knock off the tips of the chips to ensure a smooth and even surface.

**Clean Up:** Minor spills, painting tools and spray equipment should be immediately with xylene. 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](http://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.

Florida Paints believes the technical data represented in this technical bulletin to be current and up to date. However, Florida Paints makes no warranties or guarantees either expressed or implied. Florida Paints claims no responsibility from damages incurred from use by either the purchaser or user of the product.

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