



DECO-FLAKE SYSTEM

DESCRIPTION

Deco-Flake is a 100% solids epoxy floor coating system with decorative color flakes broadcasted into colored or clear base coats and sealed with clear epoxy and/or polyurethane or polyaspartic topcoats.

ADVANTAGES

- Chemical Resistant
- Durable
- Decorative
- 100 % Solids
- High Build
- Seamless
- High Traffic
- Easy Clean Up
- USDA Compliant

TYPICAL APPLICATIONS

Deco-Flake is designed for use in showrooms, restaurants, garages, restrooms, commercial kitchens, auto dealerships and airplane hangers. **Deco-Flake** is a decorative, durable, and chemical resistant coating, which makes it perfect for residential and commercial applications. **Deco-Flake** is designed to be used as a medium to heavy-duty coating.

INSPECTION

Surface must be structurally sound. The surface must be dry and free of oil, grease, curing agents, dirt, dust and/or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to soak in. The concrete should be at least 2500 psi and feel like 30 to 50 grit sandpaper. A minimum of 28 days cured is required on all concrete. Before starting flooring work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

SURFACE PREPARATION

Pre-cut and clean all cracks with a v-groove crack chasing blade. Newer concrete should be at least 28 days old. The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, or any other contaminant that may serve as a bond breaker. It should also have a porous, textured profile comparable to 60-grit sandpaper or rougher. Popular methods of surface preparation are grinding with a 20-30 grit metal diamond discs, shot blasting, or pressure washing with a turbo-tip in conjunction with **Proline's Dura-Clean** and **Dura-Etch** products. For commercial and industrial indoor projects, grinding or shot blasting is required to prepare the surface.

MOISTURE

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 5 lb./1000 sq ft. contact the manufacturer before application. Proline's Vapor Block Plus is recommended as a base if moisture emissions are between 5 lbs - 20 lbs / 1000 sq ft.

CRACK TREATMENT

Mix together 1 parts A to 1 part B **Proline's Rapid Repair**. Quickly add 1.5 - 2 parts #60 silica sand and pour into crack. It is important to leave the crack fill material slightly raised over the crack about 1/8". When completely dry (15 - 20 minutes) grind smooth using a coating removal or ZEC disc. For cracks, smaller than 1/4" wide, open up the crack using a V-groove crack chasing blade. **Rapid Repair** can be used without the sand for a thinner more fluid crack filler, if needed. #60 silica sand will increase your volume and reduce costs.

MOISTURE VAPOR BARRIER (Optional)

For moisture mitigation, if needed, apply **Vapor Block Plus** prior to applying the colored base coat. Read the Vapor Block Plus tech data sheet for mixing and application instructions.

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BASE COAT AND BROADCAST

Mix together 2 parts A and 1 part B of Epoxy 100 Color (or Vapor Block Plus Color) for 3-4 minutes then apply to the floor at a rate of 175 - 200 sq. ft. per gallon. Broadcast the Deco-Flake color chips into the wet base coat within 15 minutes to the desired coverage (light, medium, heavy). When applying a light or medium broadcast of DecoFlake color chips, the colored base coat will be exposed. In areas where direct and indirect sunlight, or fluorescent lights will hit the floor, always use Poly HD Color as your colored base coat over first coat of Epoxy 100 or Vapor Block Plus and then use Poly HD Clear or Polyaspartic for the topcoats.

TOPCOATS

The next day blow, broom, and collect loose Deco-Flakes from the floor. These can be used again. Then using a metal scraper or metal squeegee, scrape the floor in multiple directions to shave off flakes that are sticking up. Blow, sweep, and discard these small chips and dust. Mix together 2 parts A and 1 part B of Poly HD Urethane Clear for 3-4 minutes then apply to the floor. Within 8-24 hours apply 2nd coat of Poly HD Urethane to provide a smoother more even finish. This will leave an orange peel texture that will be less slippery. For a smooth, glassy finish over the DecoFlake, apply a thick coat of Epoxy 100 Clear UV followed by one coat of Poly HD Urethane. For exterior applications, do not use Epoxy 100 Clear as a topcoat. Use two coats of Poly HD Urethane Clear. Where slip resistance is a concern, white aluminum oxide can be broadcasted into the Poly HD Clear and back rolled to lock it in. See Product Specification sheets for detailed instructions. Protect the finish work by prohibiting traffic on floor for 48 hours after installation. Avoid heavy abrasion and chemical exposure for 5 days.

Simplified:

- Interior application (standard) - VBP or Epoxy 100 Color, DecoFlake color chips, 2 Poly HD Clear
- Interior glass smooth - VBP or Epoxy 100, DecoFlake color chips, heavy Epoxy 100 Clear UV, Poly HD Clear
- Exterior or light/medium broadcast - VBP or Epoxy 100, Poly HD Color, DecoFlake color chips, 2 Poly HD Clear

LIMITATIONS

This system is designed for professional use only. Read individual Product Specification sheets for each product you will be using before beginning the project. For exterior projects use Poly HD Urethane for colored basecoat and clear topcoats. Be sure to do adequate surface preparation. Test for moisture in concrete and vapor drive. Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy. Do not apply in temperatures below 50°F or above 95°F. Cooler temperatures will cause slower dry times. Do not allow Proline Coatings product to freeze. Heavier topcoat may become slippery. Approval and verification of proposed colors, textures, and slip resistance is recommended.

MAINTENANCE

Interior Floors can be dust mopped daily or mopped using a low pH cleaner. For more information on floor care & maintenance, please refer to the General Maintenance sheet. If recoating of the floor is required due to wear or abrasion, you will need to clean and degrease the surface, then lightly abrade and reapply the topcoat. In most cases you will need to clean the surface with a solvent such as acetone and thin the new topcoat as well. We suggest you recoat at 5 -10 years depending on use. Contact Proline Coatings or your applicator for details.

CAUTION: KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Safety Data Sheet and Warranty. **DO NOT TAKE INTERNALLY.** Avoid contact with skin and eyes. Use only with adequate ventilation and use a respirator when exposure levels are above applicable limits.

WARRANTY: This product is not for public use and is intended for use by licensed contractors, experienced and trained in the use of these products. It is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the affects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.