

## PRO-DECOFLAKE SYSTEM

### DESCRIPTION

Pro-DecoFlake 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

Pro-DecoFlake is designed for use in showrooms, restaurants, garages, restrooms, commercial kitchens, auto dealerships and airplane hangers. Pro-DecoFlake is a decorative, durable, and chemical resistant coating, which makes it perfect for residential and commercial applications. Pro-DecoFlake 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 and joints with a concrete diamond blade to at least 1/4 x 1/4 inch. Prepare concrete to a profile equal to 30 or 50, grit sandpaper. You may mechanically profile by grinding, shot blasting or scarifying. Methods may vary according to the thickness of the coating to be applied and the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting around pools, scarifying too aggressively, leaving grinding marks or grinding too smooth.

### 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.

### CRACK TREATMENT

Mix together 2 parts A to 1 part B of Epoxy 100 Clear for 3-4 minutes and apply inside the crack using a small, cheap paintbrush. Next add 2-3 parts #60 silica sand to the epoxy mixture and fill and patch the crack. It is important to leave the crack fill material slightly raised over the crack about 1/8". When completely dry (6-8 hours) this will be sanded or ground smooth. For smaller cracks, quick setting epoxies or polyurea can be used.

### PRIMER - MOISTURE VAPOR BARRIER

Mix together 2 parts A with 1 part B (by volume) Vapor Block Epoxy for 3-4 minutes. Immediately apply at a rate of 250-300 (5-8 mils) square feet per gallon using a trowel or metal squeegee and then back roll to ensure complete coverage. **Option** if doing a full broadcast of Pro-DecoFlake – Apply Vapor Block Epoxy Color as a base coat and throw a full coverage of Pro-DecoFlake into the wet epoxy within 10 minutes of application. Come back the next day and apply clear topcoats as explained below.

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### BASE COAT AND BROADCAST

Mix together 2 parts A and 1 part B of Epoxy 100 Color or Poly HD Urethane Color for 3-4 minutes then apply to the floor. Broadcast Pro-DecoFlake into the wet base coat within 15-20 minutes to the desired coverage (light, medium, heavy) In areas where direct and indirect sunlight, or fluorescent lights will hit the floor, always use Poly HD Color as your base coat and Poly HD Clear for the topcoats. These are UV resistant coatings.

### TOPCOATS

The next day blow, broom, and collect loose Pro-DecoFlakes 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 Epoxy 100 Clear or Poly HD Urethane Clear for 3-4 minutes then apply to the floor. An additional topcoat of Poly HD Urethane may be applied to achieve a smoother finish and for greater chemical and UV protection. For exterior applications, do not use Epoxy 100 Clear as a topcoat. Use two coats of Poly HD Urethane Clear. Pro-Novolac Epoxy may be used as a final topcoat in place of Poly HD where extreme chemical or heat conditions will occur. 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.

### 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 degreaser 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.