



ARMOR EPOXY FLAKE GENERAL INSTALLATION INSTRUCTIONS

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For Professional Use

PRODUCT DESCRIPTION

The Armor Vinyl Flakes are designed to work well with most epoxy chip floors systems. If you are using an epoxy coating from another manufacturer, follow their guidelines on chip application.

DIRECTIONS

It is best to refer to the Technical Data Sheet of the epoxy system you are using for complete instructions. Prior to installation, ensure the coating system you are using is designed for use with vinyl flakes. Below are general instructions to help give you an idea of what's involved in a flake application:

Concrete Prep: It is important to properly prepare the concrete in accordance with the primer coat application instructions.

Primer Coat: Apply your primer coat in accordance with the primer coat application instructions. Depending on which coating system you use, your primer coat may be the same as your colored base coat.

Color Base Coat: Apply your colored epoxy base coat in accordance with the colored base coat application instructions.

Broadcast Vinyl Flakes: Immediately after applying your colored base coat, wearing spike shoes, broadcast vinyl flakes. How the flakes are applied will depend on applicator preference and desired coverage. Allow the floor to cure (this will be the suggested recoat window of the colored epoxy base coat you are using).

Test Flakes: Test the floor to verify the chips are not moving and the epoxy is set up enough to prepare the floor for the topcoat. Simply press your thumb down on the chips and slowly twist your thumb to verify the epoxy below and the chips are not moving.

Scrape and Clean Floor: Using a flat blade scraper, at a low angle, glide the scraper across the surface removing all vertically bonded flakes and all other residual unbonded vinyl flakes. If you prefer not to use a flat blade, you can also use a rectangular orbital floor sander. We suggest using a rectangular orbital floor sander only if you have experience using this type of equipment. After scraping the floor sweep and vacuum the floor to ensure only bonded vinyl flakes remain before applying the topcoat.

Top-Coat: Apply your topcoat in accordance with the top-coat application instructions.

COVERAGE

- Light Coverage: 50-200 SF/LB
- Heavy Coverage: 25-50 SF/LB
- Full Coverage: 5-7 SF/LB

Coverage rates are guidelines are approximations. Exact coverage rates will vary based on application techniques, system specifications and customer preferences.

TECHNICAL ASSISTANCE

If you have any questions about Armor Vinyl Flakes or the Armor Coating Systems, please reach out to a Foundation Armor technician at 866-306-0246 or email us at support@foundationarmor.com.

PRECAUTIONS AND LIMITATIONS

- Flakes are random in shape, size, and color.
- It is normal for there to be a small amount of fine particles present within each box. During application, when you get to the fines, we suggest discarding them for light and medium applications. For heavy applications they can be mixed into another batch and will be disbursed when thrown/applied. It is applicator preference what to do with the fines.
- Flakes should be stored in a poly-bag in a dry environment at room temperature to avoid moisture, humidity, and product damage. If long term storage, air-tight poly-bags are preferred.
- Flakes are fragile and can break during transit and application. This is normal.
- Flakes are designed for interior applications only. While most colors provide good UV stability, it is best to avoid direct sunlight to avoid long-term issues with fading and discoloration.
- Note about Joints: Do not let urethane top coat puddle in joints. This will result in bubbles and/or coating failure in the joints.
- Customer is in full control of coverage, design, and application.
- Foundation Armor offers no guarantee, warranty or other claims to the success or results of a job or project.
- A chemical exposure test should always be performed prior to application to ensure satisfactory resistance to specific chemicals.
- Appropriate personal protective equipment is necessary to prevent injury. This may include, but is not limited to, gloves, goggles, respirator, etc. Refer to the Safety Data Sheet prior to use.
- The applicator is responsible for suitability of application, and the results of the application. We suggest applying to a test area first to verify compatibility, absorption, coverage rate, and project suitability.
- In all cases, refer to the Safety Data Sheet prior to application for complete health and safety information. Do not swallow, avoid direct contact with skin, avoid inhalation, keep out of reach of children and pets.

Do I need to clear out the joints during flake application? Clearing joints during vinyl flake application is installer preference. Avoiding to clear out joints however could result in settling or coating failure in and around the joints.