



SEAMLESS

PROTECTOR FLAKE

STEP-BY-STEP MANUAL





PERSONAL PROTECTION

It's always recommended to wear the appropriate Personal Protective Equipment (PPE) for the task at hand and follow your employer's safety policy. Commonly known PPE such as safety glasses, gloves, earplugs, respirators, etc, are recommended as needed.

For further information on OSHA requirements, visit <https://www.osha.gov/Publications/osha3151.pdf>

INSTRUCTIONS:

PREP

(For in-depth instructions, see Prep Manual)

- 1 Prep surface to be coated by shot blasting/grinding/acid washing, etc...
- 2 Use appropriate TCP repair products to fill holes, cracks & control joints
- 3 Thoroughly clean surface
- 4 Protect surfaces not to be coated using specialty tape, paper, plastic, etc...

BROADCAST COAT

- 1 Set up mix station
- 2 Pre-mix Epoxy Base Coat Part A and Epoxy Base Coat Part B separately until well blended
- 3 Combine 2 parts of Part A and 1 part of Part B
- 4 Thoroughly mix 2-3 minutes with a low viscosity wand
- 5 Pour mixed product on floor in a ribbon pattern
- 6 Wearing spiked shoes and using a 1/8" notched squeegee, spread mixed Epoxy Base Coat on floor
- 7 Using a 3/8" nap roller, backroll for consistent coverage
- 8 Broadcast Color Flakes
- 9 Let dry
- 10 Using a leaf blower or broom and dustpan, collect excess flakes
- 11 Using a 16" Stand Up Metal Scraper, scrape the entire floor in one direction, then cross-hatch
- 12 Using a vacuum, remove all dirt and excess color flakes from floor

SEALER - INTERIOR ONLY

- 1 Apply desired sealer
- 2 Apply desired topcoat (Optional)
- 3 Remove all protective specialty tape, paper, plastic, etc
- 4 Make sure project area is clean, presentable, and free from debris



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PRODUCTS & COVERAGE

Appropriate Concrete Protector repair products (see prep manual)

SKU:	PRODUCT:	COVERAGE:	DRY TIME:
1 *SEE CHART	CP Color Flakes	5-7ft. per pound	
2 EB-6101--EB-6171	Epoxy Base Coat	160-210 sq. ft. per gal.	Dry Time=6-10 hrs.

SEALER OPTIONS

SKU:	PRODUCT:	*COVERAGE:	*DRY TIME:
1 EN-6303	< Epoxy Neat Coat	90-160 sq. ft. per gal	Dry Time = 8-16 hrs.
2 UT-4501	< WB 421 Gloss**	175-500 sq. ft. per gal.	Dry Time = 5-7 hrs.
3 UT-4499	< WB 221 Satin**	175-500 sq. ft. per gal.	Dry Time = 5-7 hrs.
4 UT-4513	# SLV Poly 90**	175-250 sq. ft. per gal.	Dry Time = 4-8 hrs.
5 TJ-3113	< High Noon Acrylic Floor Finish**	1500-3000 sq. ft. per gal.	Dry Time = 1-2 hrs.
6 TJ-3125	< Satin Armor Acrylic Floor Finish**	1500-3000 sq. ft. per gal.	Dry Time = 1-2 hrs.
7 UT-4401--UT-4403	> GraniSeal	160-240 sq. ft. per gal.	Dry Time= 1- 2.5 hrs.
8 UT-4515--UT-4524	# Perfect Poly 90	100-200 sq. ft. per gal.	Dry Time=1- 2.5 hrs.
9 UT-4453	< Protector-thane Clear	160- 240 sq. ft. per gal.	Dry Time= 5-8 hrs.

** Used as an optional topcoat with Neat Coat Epoxy

> EXTERIOR ONLY

* Coverages and dry times vary depending on application techniques and temperature. Estimations are based on 70 degrees, 30 percent relative humidity. For more information, refer to TDS sheets.

INTERIOR/EXTERIOR

< INTERIOR ONLY

TOOLS

SKU:	TOOL:	SKU:	TOOL:
1 TP-7507	2" Green Specialty Tape	14 RL-4309	18" Paint Tray
2 TL-7235	Mixing Tarps	15 TL-7353, TL-7349	Spiked Shoes
3 TL-7361-- TL-7365	Assorted Mixing Containers & Cups	16 TL-7303	Pail Opener
4 RL-4325, RL-4335, RL-4319	4",9", or 18" Roller Frames	17 PB-7211--PB-7215	Pulse- Bac Vacuum
5 RL-4323, RL-4341, RL-4313	4", 9", or 18" 3/8" Nap Roller Covers	18 TL-7103	18" Magic Trowel
6 TL-7393, TL-7395	Threaded and Tapered Roller Poles	19 CT-1035	Cleaning Xylene
7 RL-4343	2" Chip Brushes	20	Leaf Blower/ Push Broom
8 TL-7107	16" Stand Up Metal Scraper	21	Dustpan
9 CT-1013	Cleaning Acetone	22	Variable Speed Drill
10 TL-7127	Large Low Viscosity Wand (mixing epoxy)	23	5 Gallon Mixing Buckets
11 ET-7255	1/8" Notched Squeegee	24	Mixing Paddle
12 TCR-1001	18" WTF Top Coat Roller		
13 RL-4317	Roller End Caps		

To learn advanced repair products, techniques, and in-depth methods on this system, go to decorativeconcreteu.com or scan our QR code.

**BENEFITS & FEATURES**

- 1 Beautiful granite-like resurfacing
- 2 Fast turn-around times
- 3 Unlimited color options with flake color blends and designs
- 4 Unique...not the same old gray
- 5 Less expensive alternative to elegant granite or terrazzo in a seamless look

The Protector Flakes system makes concrete flooring as beautiful as it is practical and cost-effective. Color Flakes, also commonly referred to as chips, flakes, flecks, or epoxy flake systems, utilize a unique product which is integrally pigmented, brilliantly colored, and random in shape and size. Custom blends can be used with infinite possibilities to achieve optimal appearance and texture qualities with an epoxy floor coating that is great for garages, commercial spaces, and more.

Protector Flakes resinous flooring media is available in over 150 solid color-styles and six standard sizes which can be blended, mixed, and matched to customize flooring and compliment any decor. For optimal strength, use The Concrete Protector's Epoxy, Urethane, and Polyaspartic products, combined with the beauty of Protector Flakes to create the perfect long term solution to all your flooring needs.

TIPS & TRICKS

- 1 Use The Concrete Protector's large low viscosity mixing wand for mixing. This is the correct mixing wand to ensure that you are not whipping air into your epoxy.
- 2 On larger projects, utilizing a Hippo or barrel mixer is a great way to speed up the mixing process.
- 3 Flake size matters! The more imperfections the concrete has (pitting, cracks, etc...the more you should lean towards selling your customer a larger-size of color flake. Larger the flake size= more hide of ugly imperfections in concrete. Smaller the flake size= more concrete imperfections will show through.
- 4 Use a good quality tarp to mix on to protect the surface under your mixing station. Be careful not to step on any spilled Part A or Part B that might be present on the tarp.
- 5 Many times, contractors will just pour the epoxy in puddles or ribbons just a few inches from the edge of the walls so they will be able to quickly grab the epoxy with their 2" chip brush or 4" mini roller.
- 6 After 'cutting in' along walls and other areas, now you will want to utilize an 1/8" notched squeegee to spread the Base Coat Epoxy across the floor. With a little down pressure, you can move the puddles/ribbons of epoxy back and forth across the floor to evenly coat it.
- 7 Start broadcasting your flakes after about 1/3 of the floor is coated and wet with mixed Epoxy Base Coat. Waiting until the complete floor is coated will enable the epoxy to start the drying process, preventing the flakes from sticking to their full capacity. Before actually broadcasting, we recommend doing what is called a "refresh" A refresh is basically rolling back through the area which you already coated to re-wet the epoxy, which will result in better flake adhesion.
- 8 5 gallon buckets are a great way to transport flakes for broadcasting. Filling 5 gallon buckets 1/2-3/4 of the way with flakes is an easy and convenient way to keep the job moving.
- 9 When broadcasting flakes, make sure you keep your broadcasted flakes away from the edge of where you stopped rolling epoxy (try and stay around 2 feet back from the epoxy edge). You don't want to have flakes right up to the edge of the epoxy and then when you have to put down/roll more epoxy, you may be rolling over flakes and creating a visible ridge.
- 10 Wearing spiked shoes during application will allow you to walk around and into the epoxy and top coat without leaving footprints. It is best to not walk in your spikes through the already broadcasted areas (you don't want to slide/scrape the floor with your spike shoes).
- 11 Depending on where your project is located and what your client's desired surface texture is will depend on what you will use to seal your flakes. Discuss seal options with your Business Development Representative.
- 12 **THE MOST IMPORTANT TIP: "OUT OF THE BUCKET AND ONTO THE FLOOR"** Leaving the epoxy too long in the bucket will cause it to heat up and start smoking. **DO NOT POUR HOT EPOXY ON YOUR PROJECT.**

To learn advanced repair products, techniques, and in-depth methods on this system, go to decorativeconcrete.com or scan our QR code.



COLOR CHART

EPOXY BASE COAT COLOR CHART



MEDIUM GRAY



DARK TAN



BLACK

SPECIAL ORDER COLORS*

*Custom colors available. Eligible if ordering over 100 Gallons



WHITE



OFF WHITE



LIGHT GRAY



BEIGE



BROWN



LIGHT BLUE



BLUE



GREEN



TILE RED

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COLOR CHART

PROTECTOR FLAKE COLOR CHART



DOMINO 1/4"



DOMINO 1/8"



DOMINO 1/16"



DOMINO 1/32"



SMOKY MOUNTAIN SLATE



OBSIDIAN



TUSCAN TRAVERTINE



JO ALMOND



SPALLINGER



TERRIER



GRAVEL



CREEK BED



BASALT



PUMICE



MONTANA RIVER BED



SCHIST



BRAZILLIAN UBATUBA



GARNET



COPPER CANYON



TENNESSEE STONE

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