



GRANIFLEX™

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/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...

PRIME COAT

- 1 Set up mix station
 - 2 Pre-mix PermaFlex until well blended
 - 3 Add correct measurements of PermaFlex Catalyst (1.6 oz. per 1 gal.), and PermaFlex Accelerator (6.4 oz. per 1 gal. for slow set/ 12.8 oz. per gal. for fast set), mix until well blended
 - 4 Add desired amount of solvent (10%-20% by volume), mix until well blended
 - 5 Pour mixed product on floor in a ribbon pattern
 - 6 Wearing spiked shoes and using a 1/8" notched squeegee, spread PermaFlex on floor
 - 7 Using a 3/8" nap roller, backroll for consistent coverage
 - 8 Let dry
- (Optional) LRB Flood Coat (15%-25% water + **LRB Catalyst**)

BROADCAST COAT

- 1 Pre-mix PermaFlex until well blended
- 2 Mix in correct measurements of PermaFlex Catalyst (1.6 oz. per 1 gal.), and PermaFlex Accelerator (6.4 oz. per 1 gal. slow set/ 12.8 oz. per gal. fast set) mix until well blended
- 3 Mix in desired amount of solvent (10%-20% by volume) until well blended
- 4 Pour mixed product on floor in a ribbon pattern
- 5 Wearing spiked shoes and using a 1/8" notched squeegee, apply PermaFlex on floor
- 6 Using a 3/8" nap roller, backroll for consistent coverage
- 7 Broadcast Color Flakes
- 8 Let dry
- 9 Using a leaf blower or broom and dustpan, collect excess flakes
- 10 Using a 16" Stand Up Metal Scraper, scrape the entire floor in one direction, then cross-hatch
- 11 Using a vacuum, remove all dirt and excess color flakes from floor



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



SEALING

INTERIOR:

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

EXTERIOR:

- 1 Apply desired sealer
- 2 Apply 2nd coat of sealer
- 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

SKU: **PRODUCT:** **COVERAGE:** **DRY TIME:**

Appropriate Concrete Protector repair products (see prep manual)

1	CT-1035	Xylene		
2	CT-1013	Acetone		
3	SI-1622--SI-1624	LRB	40 ft. per gal.	*Dry Time = 4 - 6 hrs.
4	PFA-1000--PFA-1014	PermaFlex	200-260 sq. ft. per gal.	*Dry Time = 1 - 8 hrs.
5	P-5826--P-5828	PermaFlex Catalyst		
6	P-5820--P-5822	PermaFlex Accelerator		
7		CP Color Flakes	5-7 ft. per pound	

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.

** Used as an optional topcoat with Neat Coat Epoxy

* 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.

> EXTERIOR

INTERIOR/EXTERIOR

< INTERIOR ONLY

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TOOLS

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

COST & PRICING

- 1 Typical Product Cost: \$2.30 - \$3.50 per sq. ft.
- 2 Typical Pricing: \$6.50 - \$9.50 per sq. ft.

BENEFITS & FEATURES

- 1 Beautiful granite-like resurfacing
- 2 Fast turn-around times
- 3 Landscaping isn't torn-up like a typical concrete tear-out & replacement
- 4 Unlimited color options with flake color blends and designs
- 5 Less expensive than replacement
- 6 Unique...not the same old gray

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TIPS & TRICKS

1 OPENING BUCKETS:

A five-gallon pail of Permafex has a deep lid (compared to the one-gallon pail of Permafex) and it is hard to remove . . . UNLESS, you use the following method to remove it:

- With a utility knife, cut every 2.5 - 3 inches around the lid and then use a plastic pail opener to remove.

2 EXAMPLES OF AN EASY WAY TO MIX:

- After removing the lid, pre-mix your Permafex to color consistency
- Pour half of the pail of Permafex into another same-sized pail (visually verify equal amounts in each pail)
- Open the catalyst associated with the Permafex (an 8 oz bottle for a 5-gallon pail and a 1.6 oz bottle for a 1-gallon pail) and pour half of that bottle into your split Permafex (visually verify half of the bottle).
- Open the accelerator associated with the Permafex (a 32 oz bottle for a 5-gallon pail and a 6.4 oz bottle for a 1-gallon pail) and pour half of that bottle into your split Permafex if your objective is “Regular Acceleration”. (If your objective is “Double Acceleration”, pour the complete bottle of accelerator in).
- Mix for 30 - 45 seconds
- Add solvent (typically 10 - 20% by volume).
- Mix for another 2 mins. or so until well blended

3 ACCELERATOR:

The “slow-set” or “regular-set” time is 4-6 hours (and is what you get when you add the accelerator that automatically comes along with your Permafex). This slow set amount is 5% accelerator by volume (6.4 oz of accelerator per gallon).

Additional accelerator can be purchased to speed up set time to a 1-2 hour set time (“fast-set”). Humidity in the air is the biggest factor on speed of set . . . the more humidity, the faster the PermaFlex sets!

10% accelerator by volume is considered “fast-set” (12.8 oz of accelerator per gallon).

4 SOLVENT:

Extra solvent may be required when slab temps are extremely cold. Permafex hitting a cold, cold slab will thicken and make it harder to work with. Consider going with high solvent percentages (not exceeding 25% solvent by volume.)

5 LONG POT LIFE:

Permafex will not completely solidify in your pail during your application. After Catalyzed and Accelerated, it can only form a skin on the surface (needing removed) and/or thicken up a bit if application is long delayed. Just thin it down again and you’re ready for application!

6 PRIME COAT:

You can either “dip and roll” your prime coat (out of a paint tray), or pour it out, squeegee (using an 1/8” notched squeegee) and then back roll evenly with a 3/8” roller cover. You are going for 240 sq ft per gallon.

Permafex is not like paint where it goes on one color and dries another color (Permafex goes on one color and stays that color). 😊 A great idea is to tint your prime coat a slightly different color. For example, adding 3 to 4 oz of another color of Permafex per gallon is a good way to shift the color (many contractors will add 8 oz of Black Permafex to each 2.5 gallons of Permafex to tint).

7 BUBBLES:

If outgassing occurs (bubbles) it is advised to re-roll (even if extremely tacky) to allow the bubbles to lay out.

8 BROADCAST COAT:

You can apply Permafex the same way on this coat but it may be advised to “dip and roll” this coat before broadcasting to ensure a thin, even coat.

What you DON’T want to have happen is to make up your Permafex a bit on the thick side, pour it out and then fail to roll it out evenly (which can happen to inexperienced installers). If this happens, then there is a chance of your Permafex penetrating up around your flakes in the thick spots on the floor and making the floor look blotchy.

With our color flakes there are endless color combinations and endless possibilities!



COLOR CHART

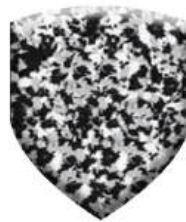
GRANIFLEX COLOR CHART



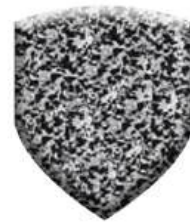
DOMINO 1/4"



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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COLOR CHART

PERMAFLEX



DARK TAN



MEDIUM GRAY



OFF WHITE



BLACK

LRB/TAV



LIQUID RUBBER BASE
(LRB)



THICKENING ACTIVATOR
(TAV)

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