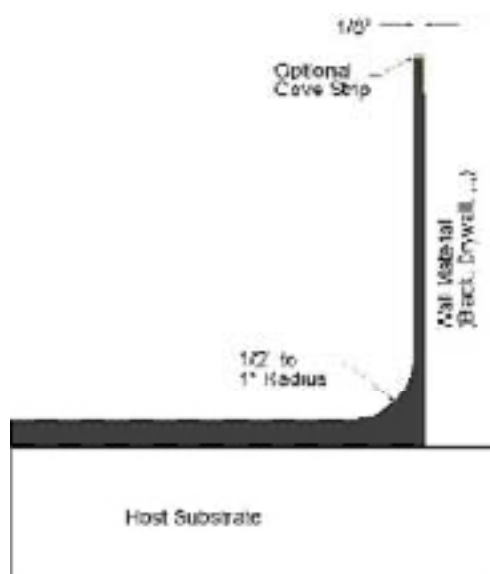




# Epoxy Cove Base System

**General Polymers EPOXY COVE BASE SYSTEM** is an epoxy system designed for use as an integral part of the flooring system. The vertical portion can be installed to any height at 1/16" to 1/4" thickness.



## Advantages

- Low VOC, Low odor during installation
- Seamless

## Uses

- Commercial kitchen coolers and walk in boxes
- Packing and storage areas
- Pharmaceuticals
- Chemical production
- Laboratories
- Food and beverage facilities
- Showers and bathrooms

## Typical Physical Properties

Color	Standard Floor Colors Computerized custom color matching available upon request
Compressive Strength ASTM C 579	10,000 psi
Tensile Strength ASTM C 307	2,000 psi
Flexural Strength ASTM C 580	3,800 psi
Adhesion ACI 503R	300 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	70-90 mgs lost
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft. lbs without cracking, delamination or chipping
Flammability	Self-extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

## Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the **EPOXY COVE BASE SYSTEM**. Contact the Technical Service Department for assistance prior to application.

## Surface Preparation – General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

## Surface Preparation – Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

## Temperature

Throughout the application process, substrate temperature should be 50°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

## Application Information – Surface Prep Profile CSP 4-6

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3561V	4:1	250 sq. ft. / gal	12.5 - 25 gals
<50 g/L	Binder Resin	3561V	4:1	45-50 linear ft @ 4" by 1/8" - 1" radius	1.25 or 5 gals
<50 g/L		3561V	4:1	30-35 linear ft @ 6" by 1/8" - 1" radius	1.25 or 5 gals
0	Aggregate Blend			50-60 lbs / 1.25 gals	50 lbs
<50 g/L	Grout	3745	2:1 Premeasured units	100 sq. ft. / gal	1,3, or 15 gals
<50 g/L	Seal Coat	3745	2:1 Premeasured units	200 sq. ft. / gal	1,3, or 15 gals

## Primer

### Mixing and Application

1. Premix 3561VA (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 4 parts 3561VA (resin) and 3561B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. 3561V may be applied via roller or brush. Apply 5-6 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
4. Mortar must be applied while primer is tacky. Prime only what can be installed within three hours. If primer loses its tack, re-prime the surface.

## Mortar

### Mixing and Application

1. Premix 3561VA (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 4 parts 3561VA (1 gallon resin) to 1 part 3561B (1 quart hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Place mixed 3561V into blade. Slowly add 50-60 pounds of Aggregate Blend. Mix until aggregate is thoroughly "wet out". Immediately trowel material vertically using a cove tool or other approved tool. Do not mix more material than can be applied in 45-60 minutes.
3. Allow to cure overnight.

## Grout Coat

### Mixing and Application

1. Premix 3745A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 2 parts 3745A (resin) to 1 part 3745B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Apply 3745 using a steel trowel or red rubber squeegee and back roll using a 1/4" nap roller at a spread rate of 100 sq. ft. per gallon to yield 16 mils WFT.
4. Allow to cure overnight.
5. Apply additional grout coats if needed.

## Seal Coat

### Mixing and Application

1. Premix 3745A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 2 parts 3745A (resin) to 1 part 3745B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Apply 3745 using a steel trowel or red rubber squeegee and back roll using a 1/4" nap roller at a spread rate of 200 sq. ft. per gallon to yield 8 mils WFT.
4. Allow to cure overnight.

## Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## Safety

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

## Material Storage

Store materials in a temperature controlled environment (50°F – 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F – 90°F.

## Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

## Shipping

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

## **Disclaimer**

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Consult [www.generalpolymers.com](http://www.generalpolymers.com) to obtain the most recent Product Data information and Application instructions.

## **Warranty**

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