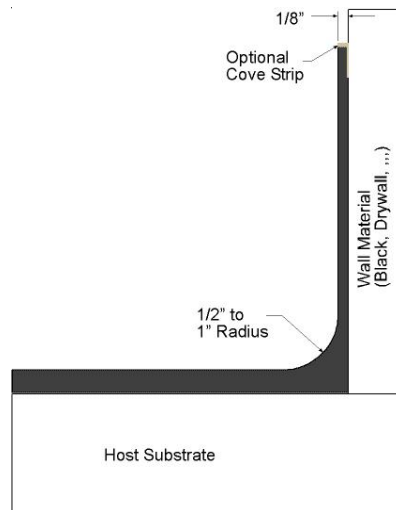




# EPOXY COVE BASE

General Polymers EPOXY COVE BASE SYSTEM is an epoxy system designed for 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

- VOC compliant, 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
VOC (Volatile Organic Content)	
EPA method 24, Modified	Compliant
SCAQMD Method 304	Compliant
Compressive Strength	10,000 psi
ASTM C 579	
Tensile Strength	2,000 psi
ASTM C 307	
Flexural Strength	3,800 psi
ASTM C 580	
Adhesion	350 psi
ACI 503R	
Abrasion Resistance	70-90 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 cycles	
Impact Resistance	Withstands 16 ft lbs
MIL-D-3134, Sec.4.7.3	without cracking, delamination or chipping
Flammability	Self-extinguishing over concrete
Resistance to Elevated Temperatures	No slip or flow at required temperature of 158°F
MIL-D-3134J	

ASTM D = Resin only

ASTM C = System

## Installation

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 equal to CSP 4-6. 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 General Polymers system filler. For recommendations, consult the Technical Service Department.

### Temperature

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

## Application Information

Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer 3561V	4:1	250 sq. ft. / gal	1.25 or 5 gals
Binder Resin 3561V,	4:1	45-50 linear ft @ 4" by 1/8" - 1" radius  30-35 linear ft @ 6" by 1/8" - 1" radius	1.25 or 5 gals
Aggregate Blend		50-60 lbs / 1.25 gal	50 lbs
Grout Coat 3744G	2:1	100 sq. ft. / gal	3 or 15 gals
Seal Coat 3744	2:1	200 sq. ft. / gal	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 3744GA (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 3744GA (resin) to 1 part 3744B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Apply 3744G 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 3744A (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 3744A (resin) to 1 part 3744B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Apply 3744 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.

## ***Application Equipment***

### ***Brush / Roller***

Use 1/4" phenolic core rollers and professional quality, medium stiff natural bristle brushes.

### ***Trowel***

Use steel finishing trowel, margin trowel or coving tool.

## **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. All applicable 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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