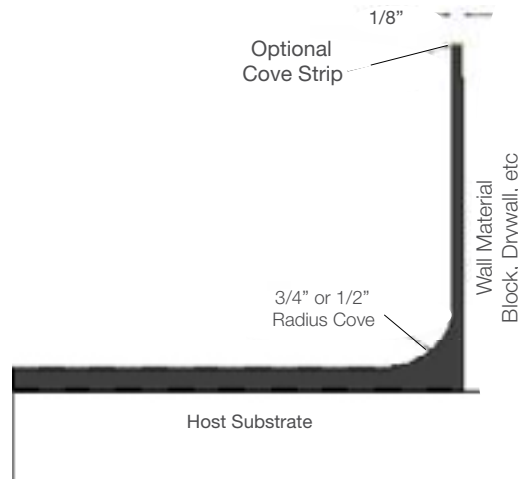




# FasTop<sup>®</sup> Cove Base System

General Polymers FasTop Cove Base System is a urethane concrete system designed 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

- Can be applied to "green" concrete
- Rapid return to service
- Low odor, water based
- Hot cooking oil and steam resistance
- Low temperature cure
- Will not lose bond due to thermal shock
- Impact resistant
- Moisture insensitive
- Maintains bond with vapor emissions in excess of 15 lbs.
- Acceptable for use in USDA inspected facilities
- Resistant to:

28 Day Exposure @ 72°F	Result
	NE= No Effect
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	NE
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	NE
Nitric Acid (<30%)	Slight Softening
PM Acetate	NE
Phosphoric Acid (<50%)	NE
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	Slight Gloss Loss
Water	NE
Xylene	NE

## Typical Physical Properties

Color	Red, Light Gray or Neutral	
Cure Time	Recoat	4 hours
	Full Service	12 hours
Abrasion Resistance	20-30 mgs lost	
ASTM D 4060, CS-17 Wheel, 1,000 cycles		
Hardness, Shore D	75	
ASTM D 2240		
Tensile Strength	550-600 psi	
ASTM C 307		
Compressive Strength	>5,000 psi	
ASTM C 579		
Flexural Strength	3,700 psi	
ASTM C 580		
Adhesion	300 psi	
ACI 503R	concrete failure	
Impact Resistance	Withstands 16 ft lbs	
MIL-D-3134, Sec.4.7.3	without cracking, delamination or chipping	
Flammability	Self-Extinguishing over concrete	
Critical Radiant Flux	>1.0	
ASTM E 648		
Smoke Density	287-346	
ASTM E 662		
Coefficient of Friction	>0.80	
ASTM D 2047		
Service Temperature at 3/16"	-50°F - 300°F	
Shrinkage	Nil	
Water Absorption	Nil	

## Uses

- Food and Beverage Manufacturing and processing areas
- Commerical and Institutional Kitchens
- Dairies
- Troughs, Trenches, Equipment Pads, Pump Bases

## Limitations

- Protect material from freezing
- Thickness greater than 1/4" vertically must be applied in multiple lifts

## Installation

The following information is to be used as a guideline for the installation of the **FasTop 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 drywall, wood, concrete, cement board, block, quarry tile, etc. 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. Consult the Technical Service Department if oil or grease is present.

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.

## Limitations

The substrate must be structurally sound, cleaned of any foreign matter that will inhibit adhesion.

Do not apply in temperatures below 40°F/4.4°C or above 80°F/26°C or when relative humidity is greater than 80%. If substrate is not concrete, drywall, cement board, block or wood do not apply. Call Technical Service Department for recommendation.

- Protect material from freezing prior to installation.
- Do not featheredge.
- Do not mix partial units.
- Do not hand mix. Do not let mixed material sit in a bucket, even a 2-3 minute delay in pouring will reduce working time.
- Do not apply to cracked or unsound substrates.
- If patching, sloping, filling joints, etc. with any Fastop materials, allow the repair material to cure for a minimum of 4 hours before covering with 12S or 12SL.
- Do not install outside, call Technical Service Department.

Full chemical resistance is achieved after a seven (7) day cure. Consult the Technical Service Department for specific chemical resistance.

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

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
0 g/L <50 g/L 0	Cove Base	4040 4060 5055	2:1 1 unit	300 sq. ft. / gal 15-20 lin. ft. @ 6" cove 1" radius 30 lbs.	1.5 - 15 gals Sold in units only 30 lbs.

## **Cove Base**

### **Mixing and Application**

Cove base should be installed prior to the floor. Tape out cove with duct tape or a good quality masking tape. Metal or plastic strips may be used.

## **Primer**

### **Mixing and Application**

Prime wall with 4040 FasTop Urethane Primer. Primer only has a 10 minute pot life. Be sure to prime entire surface and about halfway onto tape. Prime only what cove base that can be installed within 30 minutes. Begin installing cove base right away – No need to wait for primer to tack up.

## **Cove**

### **Mixing and Application**

Do not mix partial units, the fine aggregate and pigment can and will separate. A drill and a paddle work the best, but a KOL mixer works well also.

Mix pre-measured unit of 4060A for one minute. Add 4060B pre-measured unit and mix. Slowly add 5055 aggregate and mix until thoroughly wet out. Immediately pour mixed material out of bucket, in a bead, next to the wall. Rough apply cove mortar using a trowel. Do not worry about trowel marks at this time; just get all the mixed material applied to the wall. Material will need to be finished within approximately 20 minutes depending on temperature.

Placing a halogen light next to cove base will cast shadows and assist on finishing the cove base with minimal waves and/or trowel marks. Use a minimum of a 3/4" radius cove trowel and finish cove base. Any smaller may result in a loss of the radius once the floor is tied in. Lightly misting cove trowel with solvent, as a trowel lube, works well - Do not use isopropyl alcohol or denatured alcohol. Carefully remove tape and finish rough edges. Install floor once cove is hard to the touch, about 2 ½ to 3 hours.

**Required Tools:** Drill, proper mixing paddle, 3" x 8" trowel works best to apply, margin trowel, and a radius cove trowel – Minimum of 3/4" but 1" is preferred.

## **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/10°C – 90°F/32°C) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

## **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.

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