

## **BASIC EPOXY-COVE**

### **DESCRIPTION**

BASIC EPOXY-COVE resin, is a thixotropic version of BASIC EPOXY P.B.T. It may be used with any of the BASIC EPOXY P.B.T. hardeners. This product was specifically designed for vertical applications where extra sag resistance is required. Upon mixing, the viscosity drops significantly which makes mixing and handling easy. However, when the mixing blade is removed the viscosity rises once again. This added viscosity makes cove work easier and more efficient, while maintaining the toughness and chemical resistance found in BASIC EPOXY P.B.T.

### **BENEFITS**

- Low Odor
- Coves Close Up Tighter
- Versatile Usage
- Concrete Repair
- Good Chemical Resistance
- Can be used with various BASIC EPOXY P.B.T. Hardeners
- Tenacious Bonding Quality

### **COLORS**

BASIC EPOXY-COVE is produced clear but can be pigmented by adding 20% BASIC EPOXY H-C EPOXY TOP COAT resin to the EPOXY-COVE.

### **TYPICAL USE**

This formula was developed specifically for installing cove and may be used in all phases of that process. (Prime coat, Basecoat, and Topcoat).

### **SURFACE PREPARATION**

This product requires preparation in order to perform as expected. Substrate must be roughened, clean, sound, and dry. Please refer to the master "**Surface Preparation Guide**" for more information.

### **APPLICATION METHOD -(blended EPOXY-COVE)**

Prime the wall with a light coat of the mixed resin and hardener. Next trowel up a mixture of 15 qts of epoxy to 8 qts BASIC COLOR QUARTZ Q-11 or Q-28. When that has cured, use a brush to topcoat. Be sure to remove any excess material with a squeegee. This should be done by pulling the material down to the bottom of the cove radius, then back up to the top edge of the cove. Do not apply on broadcast quartz floors. Because the surface is not smooth, the finish will appear white. Topcoat smooth troweled surfaces only. BASIC EPOXY-COVE is typically applied at 200-250 **linear feet** per gallon.

### **LIMITATIONS**

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. Don't leave a heavy topcoat on cove base, pull excess sealer off with squeegee. If not removed, a milky white haze will remain on cove base.

### **PACKAGING**

BASIC EPOXY-COVE is available in gallon cans, 5 gallon pails and 35 gallon drums.

### **SPECIAL PURPOSE FORMULATIONS**

**BASIC-EPOXY P.B.T. "Cold Cure"** - For cold area applications when temperature can not be maintained over 50°F. Should not be used as a topcoat hardener due to yellowing.

**BASIC-EPOXY P.B.T. "Fast"** - For quick turn around time in room temperature areas. Should not be used as a topcoat hardener due to yellowing.

**BASIC-EPOXY P.B.T. "Water Clear"** - Ideal for top coating quartz floors. Has excellent color retention. May be used in warm temperatures when longer working time and pot life is required.

**BASIC-EPOXY P.B.T. "Damp Primer"** - For use as a Prime Coat or a Basecoat on freshly acid etched concrete or when a surface can not be dried thoroughly.

**BASIC-EPOXY P.B.T. "Regular"** - For most applications, a high quality cycloaliphatic amine hardener, non-blushing, good chemical resistance.

# BASIC EPOXY-COVE

## TECHNICAL INFORMATION

Color	Clear, can be pigmented with BASIC EPOXY P.B.T.	
Mix Ratio (by volume)	Combine 1 part hardener to 2 parts resin	
Viscosity at 70°F (mixed hardener & resin)	150,000 cps	
Thixotropic Index	3.4	
Pot Life at 70°F	20 - 25 minutes	
Cure Time, Touch Dry at 70°F	4 - 6 hours	
Cured Film Thickness	16 mils at 100 sq. ft/gallon spread rate	
Toxicity.	Non-toxic. USDA compliant	
Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	75-80
Water Absorption	ASTM D-370	0.04%
Flammability	ASTM D-635	Self extinguishing
Tensile Strength	ASTM D-638	12- 1 3,000 psi
Flexural Strength	ASTM D-790	18- 19,000 psi
Compressive Strength	ASTM D-695	17.5- 19,000 psi
Izod Impact (ft. Ib./in. notch)	ASTM D-256	0.50
Bond Strength to Concrete	ACI - 403	Concrete fails before loss of bond
Elevated Temperature	MIL D-3134	No slip or flow
Salt Spray Resistance, 25% solution at 90°F		No effect after 100 hours
Thermal Shock, 50 cycles of immersion in chilled & boiling water	MIL F-52505	No cracking or loss of adhesion
Abrasion Resistance, CS-10 Wheel, Wgt. Loss, 1000 gr. Load, 1000 cycles		30 mg.

### MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of polymeric systems to ensure a long lasting, durable installation. Please refer to the master "Moisture Guidelines" for more information.

### CAUTION

**Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.**

*Before using any Basic Polymers product, be sure the Material Safety Data Sheet is read and understood.*