

## BASIC FLEXIBLE EPOXY MEMBRANE

### DESCRIPTION

BASIC FLEXIBLE EPOXY MEMBRANE is the resin component of a tough, high quality, 100% solids, elastomeric high build epoxy coating. It is applied on floors and molded up onto vertical areas, over curbs, etc. as a seamless elastomeric membrane. It can be applied to virtually any shape or contour by brush, paint roller, trowel or squeegee. It is mixed with one of the BASIC-EPOXY P.B.T. hardeners to suit your particular application requirements. Please review the LIMITATIONS section of this sheet for restrictions. BASIC FLEXIBLE EPOXY MEMBRANE is designed for use beneath epoxy flooring systems and as a base coat for vinyl chip seamless flooring. It can also be thickened and used as a crack & joint filler. BASIC FLEXIBLE EPOXY MEMBRANE can be applied on properly prepared concrete, plywood, and quarry tile.

### BENEFITS

- No Solvents
- Good resistance to salt, oil, gasoline, detergents
- Excellent adhesion
- Low odor
- Elongation 150%

### COLORS

BASIC FLEXIBLE EPOXY MEMBRANE is produced clear but can be tinted by adding 20% BASIC NOVOLAC EPOXY resin to the BASIC FLEXIBLE EPOXY MEMBRANE.

### TYPICAL USES

- Kitchens
- Wet Processing Area
- Control Joints
- Cagewash Areas
- Secondary Containment
- Mechanical Rooms
- Medical Research Labs
- Shower Rooms
- Drum Storage Area

### SURFACE PREPARATION

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

### APPLICATION METHOD/SPREAD RATES

BASIC FLEXIBLE EPOXY MEMBRANE is typically applied with a notched trowel or squeegee at various spread rates. Surface profile and amount of expansion and contraction determines the required spread rate. A coarse surface requires more BASIC FLEXIBLE EPOXY MEMBRANE. A spread rate of 100 square feet per gallon will yield an application thickness of 16 mils.

### LIMITATIONS

Minimum temperature of 55°F is required during curing period. BASIC FLEXIBLE EPOXY MEMBRANE must be applied at a uniform film thickness to provide proper protection. **Do not use the FLEXIBLE EPOXY MEMBRANE with BASIC-EPOXY P.B.T. "Cold Cure" HARDENER, as insufficient cure will result. Also, by curing it with BASIC-EPOXY P.B.T. "Water Clear," a water-clear appearance will not be achieved.**

### PACKAGING

BASIC FLEXIBLE EPOXY MEMBRANE is available in 1-gallon cans, 5-gallon pails, and 50-gallon drums.

### SPECIAL PURPOSE FORMULATIONS

#### **BASIC FLEXIBLE EPOXY MEMBRANE**

**"Regular"**- For use on most typical installations, for normal use. **BASIC FLEXIBLE EPOXY MEMBRANE "Fast"**- For quick turn around time in room temperature areas. **BASIC FLEXIBLE EPOXY MEMBRANE "Damp Primer"** – For use as a Prime-Coat or a Base-Coat on freshly acid etched concrete or when a surface cannot be dried thoroughly.

# BASIC FLEXIBLE EPOXY MEMBRANE

## TECHNICAL INFORMATION

<u>Physical Properties</u>	<u>Hardener</u>	<u>Resin</u>
Composition	Basic-Epoxy P.B.T. Hardener	Modified epoxy resin
Color	Clear	Clear
Solids Content	100%	100%
Viscosity at 70°F	750 cps	1700 cps
Weight per Gallon	8.1-8.81bs.	9.101bs.
Mix Ratio by Volume	1 part	2 parts
Flash Point, Closed Cup Test	218°F	335°F
Working Time at 70°F	Basic-Epoxy P.B.T. Regular 25 minutes Basic-Epoxy P.B.T. Fast 13 minutes Basic-Epoxy P.B.T. Damp Prime 30 minutes	
Re-Coating Time at 70°F	Basi-Epoxy P.B.T. Regular 8-9 hours Basic-Epoxy P.B.T. Fast 3-4 hours Basic-Epoxy P.B.T. Damp Primer 8-9 hours	
Full Cure Time 55°F or higher	7 days	
Dry Film Thickness	16 mils at 100 sq. ft. per gallon	
Water Absorption at 75°F	negligible after 90 days submersion	
Adhesion	equal to or better than unmodified epoxy coatings	
Water Vapor Transmission	ASTM E96 Method B	0.252 perm
Flame Spread /NFPA-101	ASTME-84	Class A
Tear Strength	ASTMD-624,DIEA	375 psi
Elongation	ASTMD-412	150%
Tensile Strength	ASTMD-412	2,400 psi
Hardness	ASTMD-2240	90 Shore A
Storage Stability	1 year in unopened containers	
Thinner	None required.	
Clean-up	Dur-A-Solve #4, Lacquer Thinner, Xylol, Toulene	

### CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master "**Cleaning Guide**".

### 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.*