

BASIC-EPOXY P.B.T.

DESCRIPTION

BASIC-EPOXY P.B.T. is a clear, two component 100% solids, thermosetting epoxy designed specifically for applications such as BASIC COLOR QUARTZ. Although it cures into a very hard solid it does not become "brittle" like glass but retains a sufficient amount of resilience to withstand impact and vibration. BASIC-EPOXY P.B.T. is the most advanced formulation of its kind. ASTM tests prove its superiority, professional flooring contractors acclaim its ease of use.

BENEFITS

- Excellent Clarity
- Low Odor
- No VOC's
- Superb Chemical Resistance
- Special Purpose Formulations
- Versatile Usage
- Fast Curing

COLORS

BASIC-EPOXY P.B.T. is typically clear but it can be tinted by adding 25% BASIC H-C EPOXY TOP COAT resin.

TYPICAL USES

The versatility of BASIC-EPOXY P.B.T. simplifies installation of all BASIC POLYMERS seamless floors because it is used for the basecoats (Aggregate Binder) and as a topcoat. It also serves as an excellent high build, clear, stand alone coating or an extremely strong binder to form a patching mixture to be used underneath BASIC POLYMERS coating and flooring systems.

PACKAGING

BASIC-EPOXY P.B.T. is available in 1 gallon cans, 5 gallon pails, and 50 gallon drums.

GUIDE SPECIFICATIONS

This product is part of the BASIC POLYMERS family of polymer systems. Please refer to the master "**Specifier's Guide**" for complete three part guide specs.

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-EPOXY P.B.T. is applied with a brush, roller, squeegee and trowel. Spread rate will vary with desired thickness. BASIC EPOXY P.B.T. is a versatile component used in BASIC COLOR QUARTZ, BASIC H-C EPOXY TOP COAT and EPOXY systems. See application instruction sheet for complete instructions. As a coating BASIC-EPOXY P.B.T. is applied at 200 Sq Ft per gallon to yield a dry film thickness of 8 mils per coat.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry.

SPECIAL PURPOSE FORMULATIONS

BASIC-EPOXY P.B.T. Regular - For use on most typical installations, for normal use.

BASIC-EPOXY P.B.T. "Cold Cure" - For cold area applications when temperature can not be maintained over 50°F, and when a more rapid cure is required at normal temperatures. Should not be used in topcoats due to yellowing.

BASIC-EPOXY P.B.T. "Fast" - For quick turn around time in room temperature areas. Should not be used in topcoats 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.

TECHNICAL INFORMATION

Color	Clear, can be tinted with 25% BASIC H-C EPOXY TOP COAT
Mix Ratio (by volume)	1 part hardener to 2 parts resin
Viscosity at 70°F (mixed hardener & resin)	700 cps
Pot Life at 70°F	20 - 25 minutes
Cure Time, Touch Dry at 70°F	4 - 6 hours
Cured Film Thickness	1.6 mils at 1.00 sq. ft./gallon spread rate
Salt Spray Resistance, 25% solution at 90°F	No effect after 100 hours
Toxicity	Non-toxic, USDA approved

Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	80-85
Compressive Strength	ASTM D-695	11,200 psi
Tensile Strength	ASTM D-638	2,100 psi
Impact Resistance	MILD-24613	0.0007", no cracking or delamination
Flexural Strength	ASTM D-790	5,100psi
Bond Strength to Concrete	ACI-40	Substrate failure
Abrasion Resistance, CS17 Wheel, 1000g load, 1000 cycles.	ASTM -4060	0.29 mg loss
Water Absorption	MILD-24613	Nil
Coefficient of Friction	ASTM D-2047	0.7 minimum

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master "**Drawings and Details**" guide for actual drawings.

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.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master "**Chemical Resistance Chart**" for actual resistance to specific chemicals/reagents.

CLEANING

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

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.