

PRODUCT DATA SHEET

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BASIC CEMENT BASE URETHANE TOP COAT

DESCRIPTION

BASIC CEMENT BASE URETHANE TOP COAT, is a 100% solids aromatic urethane system. It is a pigmented, self level slurry system with natural quartz broadcast(s). A single broadcast will yield a 3/16 inch system and a double broadcast yields a 1/4 inch system. BASIC CEMENT BASE URETHANE TOP COAT is designed to withstand thermal shock and chemical attack. Surface finish can be smooth, regular or various skid resistance textures.

BENEFITS

- Low Odor
- Meets USDA, FDA, OSHA standards
- Superior Adhesion
- Superior Chemical Resistance
- Easy Maintenance
- Thermal Shock Resistant

COLORS

BASIC CEMENT BASE URETHANE TOP COAT is available in Grey and Red.

TYPICAL USES

BASIC CEMENT BASE URETHANE TOP COAT is designed to protect concrete and wood substrates from chemical attack, corrosion, impact and thermal shock. Repeated exposure to hot oil or steam do not cause pitting, cracking or crazing. Typical areas of application:

- Food Processing Areas Bottling Areas
- Cook / Chill Areas Sanitize / Wash Areas

SURFACE PREPARATION

Priming is mandatory to prevent outgassing and blistering. Substrate must be profiled, dry, clean, oil free, and sound. Be careful of condensing humidity (within 10 degrees of the dew point). Substrate must be blasted and primed with either BASIC EPOXY P.B.T."Damp Primer" or "Fast". Apply with a flat squeegee at 150 Sq Ft per gallon. Allow primer to cure completely before continuing. Please refer to the master "**Surface Preparation Guide**" for more information.

APPLICATION METHOD/SPREAD RATE

BASIC CEMENT BASE URETHANE TOP COAT is applied with a Pin Rake and spiked roller. Apply 3 to 1 mix ratio which will yield 50 Sq Ft at 1/8 inch. Complete application should take 3 to 4 days for 3/16" and 4 to 5 days for 1/4 inch. See BASIC CEMENT BASE URETHANE TOP COAT application instruction sheet for complete instructions.

LIMITATIONS

This product is best suited for application in temperatures between 50° F and 85° F. Substrate must be clean, sound and dry. Eroded or spalled areas must be "filled and leveled" with an epoxy grout composed of BASIC EPOXY P.B.T. and aggregate.

STORAGE CONDITIONS

BASIC CEMENT BASE URETHANE TOP COAT must be stored dry. Exposure of the resin to moisture for extended periods can lead to bubble formation during cure. Exposure of the hardener to water will lead to pressure build up from carbon dioxide generation. Do not reseal containers contaminated with moisture. Do not store near open flame or food. The shelf life is 6 months from ship date in the original unopened container.

PACKAGING

BASIC CEMENT BASE URETHANE TOP COAT is available in 1 gallon cans and 5 gallon pails. BASIC CEMENT BASE URETHANE TOP COAT aggregate is available in 50 lb bags for patching. Flintshot is available in 50 and 100 lb bags. 290 FLOUR is available in 50 lb bags and F-70 in 100 lb bags.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please call the BASIC POLYMERS Technical Department for actual resistance to specific chemical/regents.

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.

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TECHNICAL INFORMATION

Cure Time		
Foot Traffic, Wash down	8 hours	
Light wheel traffic	24 hours	
Full Service	48 hours	
Full Chemical Resistance	7 days	
Color	Red or Grey	
Mix Ratio (bv volume)	3 parts resin to 1 Part hardener	
Pot Life - 1 gallon (a). 77°F	15 minutes	
Adhesion to Concrete	> 400 psi concrete fails before loss of bond	
Thermal Shock	Resists intermittent spills up to 425 F	
Toxicity	Sensitized individuals do not install or inhale vapor	
Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	73-78
Compressive Strength	ASTM C-579	1 2,000 psi
Tensile Strength	ASTM D-638	4,000 psi
Impact Resistance @ 125 mils	ASTM D-1709	> 160 inch lbs
Abrasion Resistance Taber CSI Wheel 1000 GM Load 1000 Cycles	ASTM C-501	35 mg loss
Coefficient of Friction Standard Slip-Resistant Smooth	ASTM D-2047	0.9 0.7

*Pot life is shorter at higher temperature. Do not use below 50°F or above 85°F

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.

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.

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

Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Adequate cross ventilation should be provided. **Any worker with prior sensitization should not be exposed to this product. 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