Basic Polymers
Industrial Flooring
Basic-Crete Urethanes – Epoxies – M.M.A.s

PRODUCT DATA SHEET

3628 W. Holland Ave.
Fresno, CA 93722

Tel: 877-225-2549 • Fax: 559-225-4606 • Internet: http://www.basicpolymers.com

BASIC H-C EPOXY TOP COAT

DESCRIPTION

BASIC H-C EPOXY TOP COAT is a light amber, two component, thermosetting epoxy composed of 100% solids resins designed for applications requiring resistance to solvents, organic and inorganic acids, and caustics at temperatures to 180°F. BASIC H-C EPOXY TOP COAT is designed for use as a coating, or as the matrix resin in a BASIC-EPOXY P.B.T.

BENEFITS

- Excellent Chemical Resistance
- 100% Solids
- Meets USDA, FDA, and OSHA standards
- Can be used as a Coating or Matrix Resin

COLORS

The BASIC H-C EPOXY TOP COAT system can be pigmented using 20% BASIC NOVOLAC EPOXY resin to 80% BASIC EPOXY P.B.T. resin by volume. Add 1 quart of the BASIC NOVOLAC EPOXY colored resin for each gallon of BASIC EPOXY P.B.T. resin clear.

TYPICAL USES

BASIC H-C EPOXY TOP COAT is typically used in a BASIC EPOXY P.B.T epoxy flooring system as a matrix binder when increased chemical resistance is desired. BASIC H-C EPOXY TOP COAT can also be used as a topcoat, if some "ambering" can be tolerated.

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/SPREAD RATES

BASIC H-C EPOXY TOP COAT is a versatile component in BASIC NOVOLAC EPOXY SYSTEMS.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. This product will amber if used as a topcoat. It is not intended for use over BASIC COLOR QUARTZ BM system.

PACKAGING

BASIC H-C EPOXY TOP COAT is available in 1 gallon cans, 5 gallon pails, and 50 gallon drums.

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.

BASIC H-C EPOXY TOP COAT

TECHNICAL INFORMATION	
Appearance hardener & resin combined	Transparent, light amber liquid
Mix Ratio	1 part Hardener, to 2 parts Resin
Pot Life @ 70°F	25 - 35 minutes
Viscosity @ 70°F mixed (cps)	450 - 550
Weight per gallon, hardener	8.85 lbs.
Weight per gallon, resin	9.23 lbs.
Thin film set time @ 70°F	5 - 7 hours
Hardness, Shore D	75-80
Cured Film Thickness	5- 15 mils

Physical Property	Test Method	Result
Compressive Strength @ yield (psi)	ASTM D-695	10,300
Tensile Strength	ASTM D-638	7600
Tensile Modulus	ASTM D-638	3.9
Tensile Elongation @ break (%)	ASTM D-638	3.0
Flexural Strength (psi)	ASTM D-790	15,500
Flexural Modulus (10 psi)	ASTM D-790	5.0

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.

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".**

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.

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.