

## BASIC ALIPHATIC-URETHANE

### DESCRIPTION

BASIC ALIPHATIC-URETHANE is a two-component, clear polyester high solids protective coating. It is designed to provide the best possible wearability without the VOC concerns encountered with traditional urethane systems. It should be used as a topcoat over BASIC COLOR QUARTZ AND BASIC NOVOLAC EPOXY.

### BENEFITS

- Easy To Use Mix Ratio
- Good Solvent Resistance
- Lower Odor
- Good Chemical Resistance
- Good Stain Resistance
- More On the Floor
- Higher Solids, Lower VOC
- Non-Ambering
- Excellent Abrasion

### TYPICAL USES

- Performance Topcoat for BASIC-EPOXY P.B.T.
- Performance Topcoat for BASIC H-C EPOXY TOP COAT
- Re-Coat for dull epoxy/urethane coatings
- Performance Topcoat for BASIC-EPOXY P.B.T.
- Maintenance Bays and Machine Shops
- Firehouse Floors

### SURFACE PREPARATION

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

### APPLICATION METHOD/SPREAD RATE

BASIC ALIPHATIC-URETHANE is typically applied with brush and roller at approximately 250-300 Sq Ft per gallon to yield a dry film thickness of 4 mils.

### LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry. Do not apply BASIC ALIPHATIC-URETHANE at less than 200 square feet per gallon or greater than 400 square feet per gallon. Ignition sources, sparks and open flame must be avoided during application- especially in confined areas. BASIC ALIPHATIC-URETHANE is highly flammable in its liquid state. Moving air with exhaust ventilation is necessary in most instances.

### PACKAGING

BASIC ALIPHATIC-URETHANE 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 ALIPHATIC-URETHANE**

## **TECHNICAL INFORMATION**

MIX Ratio, by Volume	2:1	
Pot Life, 72°F, (parts combined)	2 hours	
Working Time on Floor, 72° F	30+ minutes	
Shelf Life, 72°F	1 year in unopened containers	
Viscosity	Can be measured	
Drying Properties, 72°F, 50% R.H	6-8 hours.	
Hard Dry	12 hrs.	
Chemical Resistance	5 - 7 days	
Flash-point, Closed Cup Test	110°F	
<b>Physical Property</b>	<b>Test Method</b>	<b>Result</b>
60 Gloss	ASTMD-523	90+
Solids by volume		70+/-5*
Adhesion	ASTMD-4541	600 psi
Flame Spread / NFPA-101	ASTME-84	Class A
Hardness	ASTMD-3363	4H
QUV	UVB-373/1500hrs	Gloss Retention
Coefficient of Friction	ASTMD-2047	>0.6
Abrasion Resistance CS17 wheel (1000g load) 1000 Cycles	ASTMD-4060	10 mg loss

\* Depends on color selected.

### **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.

### **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**".

### **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.*