



**HIGHTECH**  
INDUSTRIAL COATINGS

# PRIMETECH U

TWO-COMPONENT, HIGH SOLIDS, AROMATIC POLYURETHANE PRIMER

## PRODUCT DATA

Mix Ratio . . . . 1 Part A to 1 Part B  
Coverage . . . . . 1 gal/300 sq. ft  
Tack Free Time . . . . . 2 - 4 hours  
Shelf life . . . . . 12 months

## COLOR PIGMENTS

Part-A: Black,  
Part-B: White

## PACKAGING

### 2 Gallon Kit:

Part A . . . . . One 1 Gallon Can  
(3.78 liters)  
Part B . . . . . One 1 Gallon Can  
(3.78 liters)

### 10 Gallon Kit:

Part A . . . . . One 5 Gallon Pail  
(18.9 liters)  
Part B . . . . . One 5 Gallon Pail  
(18.9 liters)

## PRODUCT DESCRIPTION

PRIMETECH U is a two component, high solids, liquid applied primer with unique penetrating characteristics.

## ADVANTAGES

- High Solids
- Low Odor
- Fast Re-Coat Time
- Low Viscosity

## APPLICATIONS

Intercoat adhesion primer for existing urethane systems. When combined with PROTECH PLUS, PRIMETECH U may be used as a quick drying primer for vehicular and pedestrian deck coatings.

## PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Mix ratio by Volume	1 Part A : 1 Part B	-
Coverage Rate	1 gal/300 sq. ft. (0.14 l/m <sup>2</sup> )	-
Pot Life	60-90 min at 75°F (24°C), 50% R.H.	-
Dry Film Thickness per Coat	5 ± 1 mil (127 ± 25 microns)	-
Specific Gravity	Part-A: 1.22   Part-B: 1.98	-
Total Solids by Weight	97.8%	ASTM D-2369
Total Solids by Volume	97.7%	ASTM D-2697
Viscosity at 75°F (24°C)	500 ± 100 cps Part-A & B combined	
Volatile Organic Compounds	0.21 lb/gal (25 gm/liter)	ASTM D-2369-81

## MIXING

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid. Do not mix in an up and down motion.

PRIMETECH U Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. PRIMETECH U must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

When used as a quick drying primer, mix PRIMETECH U at a mix ratio of:

- 2 gallon kit / mix PRIMETECH U Part-A and Part-B, then mix in ½ pint of PROTECH PLUS.
- 10 gallon kit / mix PRIMETECH U Part-A and Part-B, then mix in 1 quart of PROTECH PLUS.

## APPLICATION

PRIMETECH U should be applied at the rate of 1 gallon (mixture of Part-A & Part-B) /300 sq. ft. (0.14 liters/m<sup>2</sup>). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow PRIMETECH U to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

PRIMETECH U is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

## CLEAN UP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

## STORAGE

PRIMETECH U has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

## LIMITATIONS

PRIMETECH U should be coated within 12 hours after it has become tack free. Not UV stable. Surfaces must be dry, clean and free of foreign matter. Containers that have been opened must be used as soon as possible. PRIMETECH U is difficult to clean up after it has cured. Do not dilute PRIMETECH U. Mix no more material than can be used within 20 minutes.

## WARNING

This product contains Epoxy Resin and Curatives

### LIMITED WARRANTY:

*Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Hightech representative or visit our website for current technical data and instructions.*

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**KEEP OUT OF REACH OF CHILDREN**