



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

THEMECOAT® POLYPRIME 130

Two-Component
Polyurethane Primer
Technical Data Sheet

DESCRIPTION

Themecoat® PolyPrime 130 is a two component, liquid applied, urea polyurethane primer.

FEATURES

- ❖ Low Odor
- ❖ Quick Drying

TYPICAL USES

- ❖ Metal
- ❖ Glass Reinforced Plastics
- ❖ Polyurethane Elastomeric Surfaces

COLOR

Part-A: Clear, Part-B: Off-White

PACKAGING

4 gallon kit: One - 1 gallon can of Part-A Clear Liquid, net 1 gallon (3.78 liter) and One - 5 gallon pail of Part-B Off-White Liquid, net 3 gallon (11.34 liter).

1 gallon kit: One - 1 quart can of Part-A Clear Liquid, net 0.25 gallon (0.95 liter) and Three - 1 quart cans of Part-B Off-White Liquid, net 0.25 gallon (0.95 liter) each can.

COVERAGE

Approximate coverage per gallon is 300 per sq.ft

SURFACE PREPARATION

Remove all contaminant, oil and grease from substrate.

MIXING

Themecoat® PolyPrime 130 may not be diluted under any circumstance. The volume mixing ratio: 1 part Part-A Clear Liquid to 3 parts Part-B Off-White Liquid. Themecoat® PolyPrime 130 Part-B should be thoroughly mixed prior to combining to ensure a homogeneous material. The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

APPLICATION

Themecoat® PolyPrime 130 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/400 sq. ft. (0.102 liters/m²). It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Themecoat® PolyPrime 130 to become nearly tack free before applying the coating. Recommended surface temperature should be greater than 50°F (10°C). If Metal Primer 130 is allowed to dry completely, re-prime the surface before proceeding.

TECHNICAL DATA

Coverage Rate	1 gal/300 sq. ft. 1.135 l/m ²
Mixing Ratio by Volume	1A : 3B
Dry Film Thickness per Coat	3 ± 1 mils 76 ± 25 mic
Pot Life at 75°F (24°C), 50%RH	40-60 minutes
Hardness, ASTM D-2240	70 ± 5 D
Specific Gravity,	
Part-A	1.06
Part-B	1.47
Total Solids, Weight, ASTM D-2369	75 ± 3%
Total Solids, Volume, ASTM D-2697	62 ± 3%
Viscosity at 75°F (24°C),	
Part-A	500 ± 200 cps
Part-B	2500 ± 500 cps
Volatile Organic Components, ASTM D-2369-81	3 lbs/gal 360 gm/liter

Themecoat® PolyPrime 130 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.

STORAGE

Themecoat® PolyPrime 130 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

Part-A and Part-B must be stored above 60°F (15°C).

Avoid freezing temperatures.

Store containers on wooden pallets to avoid direct contact with the ground.

LIMITATIONS

Not UV stable.

Cannot withstand direct wear or abrasion.

Containers that have been opened must be used as soon as possible.

Themecoat® PolyPrime 130 is difficult to clean up after it has cured.

Mix no more material than can be used within 20 minutes.

WARNING

This product contains Isocyanates.

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 Polycoat Products representative or visit our website for current technical data and instructions.

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