



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYPRIME 172 / 172SC

Single Component
Aromatic Polyurethane Primer
Technical Data Sheet

DESCRIPTION

Polyprime 172 is a single component, liquid applied, aromatic polyurethane polyurea primer. This primer provides excellent intercoat adhesion. Polyprime 172SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES

- ❖ One Component
- ❖ Fast Curing
- ❖ For SCAQMD areas, use only Polyprime 172SC

TYPICAL USES

- ❖ Polyurethane Intercoat Primer for Pedestrian Decks Only

COLOR

Amber

PACKAGING

- 1 gallon (3.78 liter) can
- 5 gallon (18.9 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

MIXING

Before application, Polyprime 172 must be mixed thoroughly. Closed-top metal cans can be shaken or rolled to mix material.

APPLICATION

Polyprime 172 should be applied at the rate of 1 gallon/300 sq.ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime 172 to become tack free before applying the coating. Approximate tack free time is 1-2 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.

Polyprime 172 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time.

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

EQUIPMENT CLEANUP

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

STORAGE

Polyprime 172 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).

TECHNICAL DATA (Based on draw down film) POLYPRIME 172 (250 VOC) (For Use Outside of SCAQMD Areas)

Coverage Rate	1 gal/300 sq. ft. 0.14 l/m ²
Dry Film Thickness per Coat	4 ± 1 mils 102 ± 25 microns
Specific Gravity	1.07
Total Solids by Weight, ASTM D-2369	78 ± 2%
Total Solids by Volume, ASTM D-2697	76 ± 2%
Viscosity at 75°F (24°C)	300 ± 100 cps
Volatile Organic Compounds, ASTM D-2369-81	1.65 lb/gal 197 gm/liter

TECHNICAL DATA (Based on draw down film) POLYPRIME 172SC (100 VOC) (For Use in SCAQMD Areas)

Coverage Rate	1 gal/300 sq. ft. 0.14 l/m ²
Dry Film Thickness per Coat	4 ± 1 mils 102 ± 25 microns
Specific Gravity	1.15
Total Solids by Weight, ASTM D-2369	74 ± 2%
Total Solids by Volume, ASTM D-2697	76 ± 2%
Viscosity at 75°F (24°C)	300 ± 100 cps
Volatile Organic Compounds, ASTM D-2369-81 (excluding exempt solvent)	0.75 lb/gal 90 gm/liter

LIMITATIONS

Polyprime 172 should be coated within 2 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.

Polyprime 172 is difficult to clean up after it has cured.

Do not dilute under any circumstance.

WARNING

This product contains Isocyanates and Solvent.

This product is considered Dangerous Goods. DOT regulations classify it as: **UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.**

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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