

POLAPRIME 7™

Polyurethane Primer



DESCRIPTION

POLAPRIME 7 is a solvent-based, single component polyurethane primer that is highly effective over rubber, plastics, and painted surfaces. Chemically reacts with the substrate to promote superior adhesion of the coatings to be applied. POLAPRIME 7 is an industrial maintenance coating designed for harsh operation conditions.

OUTSTANDING FEATURES

- ✓ Penetrates impermeable surfaces for maximum adhesion
- ✓ Bridges and seals hairline fractures and pinholes
- ✓ Has rheology adjusted for optimum coverage
- ✓ Fire retardant as cured film
- ✓ Excellent stain blocking properties
- ✓ Gives maximum bond performance between substrate and topcoat
- ✓ Highly cost effective and performance designed
- ✓ Protects against corrosion and undercutting from corrosive creep
- ✓ Encapsulates well adhered coating remnants
- ✓ Chemically converts type 2 rust to prevent corrosion
- ✓ Improves adhesion of coatings to EPDM, TPO, PVC, and many other synthetic rubbers and plastics

APPLICATION

CAUTION! Read this entire data sheet before continuing.

Surfaces must be free of dirt, loose debris, oil, grease, or other substances that would interfere with bond. It is advisable to have the surface as dry as possible. All repairs of damage or defects must be made prior to coating.

Stir thoroughly for 3 minutes, then keep the can covered whenever possible to prevent contaminating the primer.

Apply by spray, roller, or brush. Roller and brush techniques provide best penetration and performance results. For roller application, use a medium or short nap roller. For brush application, use a natural bristle brush. Apply enough POLAPRIME 7 only to cover the surface. It is not advisable to pour POLA-

PRIME 7 straight onto the surface. Apply the appropriate surface coating as soon as possible after thorough drying to prevent contamination of the surface, ideally within 36 hours. If the POLAPRIME 7 has been left exposed for more than 48 hours, the surface must be cleaned thoroughly to remove all dirt and contaminants.

POLAPRIME 7 may be used at temperatures as low as 20°F; however, the surface must be dry and at least 5° above dew point. Drying time may be accelerated with the use of Andek Accelerator at one unit per 5-gallon pail.

Tools and equipment may be cleaned with Toluene, Xylene, or any high aromatic solvent suitable for polyurethanes.

SPECIFICATIONS	
Viscosity (cps)	3,000
VOC	200 gms/liter
Solvent	Naptha
Pounds Per Gallon	9.8
Coverage	200 square feet per gallon, depending upon substrate
Packaging	1 gallon, 5 gallons
Color	Silver
Shelf Life	12 months (unopened)

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LIMITATIONS

Do not apply POLAPRIME 7 if the temperature is predicted to drop below 20°F within 2 hours of completion of application. Do not apply any of the POLAPRIME 7 to saturated surfaces or substrates that have ice crystals entrapped. Do not apply if rain is forecast within 4 hours of completion of application. Use EP rated spray equipment.

MAINTENANCE

If an area becomes damaged, remove loose substrate and coating and clean the damaged area. Repair the substrate and re-prime, then topcoat with a finish coating to match the surrounding area.

PRECAUTIONS

POLAPRIME 7 is solvent-based. Avoid contact with skin and eyes. In case of contact with skin, wash with soap and water

for 15 minutes. For contact with eyes, immediately flush with water for 15 minutes and get medical attention. Do not ingest. If ingested, do NOT induce vomiting and contact a physician immediately. Avoid inhalation of fumes. If aerosol mist is inhaled, seek immediate medical attention. Wear safety goggles, rubber gloves, coveralls, and filter mask when applying this primer.

TECHNICAL DATA

Viscosity	3,000 cps	ASTM D-2196
Pounds Per Gallon	9.8	ASTM D-1475
Flashpoint	105°F	ASTM D-3278
Solids Content	80% B.W.; 82% B.V.	ASTM D-2369
Adhesion to PVC	100 p.s.i.	ASTM D-5179
Adhesion to A.B.S.	500 p.s.i.	ASTM D-5179
Drying Time (70°F, 70% R.H.)	12 hours (normal)	ASTM D-1640
Drying Time (70°F, 70% R.H.)	2 hours (accelerated)	ASTM D-1640
Hardness	1H	ASTM D-3363
Wet Film Thickness	8 mils	ASTM D-1212
Dry Film Thickness	7 mils	ASTM D-1005
Water Vapor Transmission	3.5 perms	ASTM D-1653
Solvent Resistance	100 M.E.K. Double Rubs	ASTM D-5402

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