



Environmentally Safe Polymers, Inc.

Technical Data

Updated 11/2004

POLYPRIME #07 SINGLE COMPONENT URETHANE PRIMER

PRODUCT DESCRIPTION AND USAGE:

Polyprime #07 is a isocyanate, single component polyurethane primer. Intended for use as a primer to be applied directly to concrete, wood, aluminum and steel. It is also suitable for use as a tie coat when applied over elastomeric coatings prior to recoating with some other coating system.

COLOR:

Black.

CONSISTENCY:

50 to 100 cps

PHYSICAL PROPERTIES

WEATHERABILITY:

Poor. Do not expose to strong sunlight for more than two weeks.

CHEMICAL RESISTANCE:

Good solvent, acid, alkali and salt resistance. Does not have corrosion inhibitive properties.

HARDNESS:

Forms a tough, resilient, abrasion-resistant film.

WATER VAPOR PERMEABILITY:

Cures to form a solvent and vapor resistant film.

TOXICITY:

Contains solvents which require ventilation of solvent vapors during application. Contains approximately 10% of a polyisocyanate which may be irritating to the skin and is toxic if inhaled as particulate matter. Any material contacting the skin should be neutralized by washing with generous quantities of water. Spray application can lead to inhalation of particulate matter; consequently, a respirator is required for spray application.

ADHESION:

Excellent adhesion to metals, wood, concrete, masonry and most coating and plastic materials.

LIQUID PROPERTIES

COVERAGE:

Coverage on rough or porous surfaces may be as low as 100 sq. ft. per gallon (one gal./sq.) and on smooth surfaces up to 400 sq. ft. per gallon (1/4 gal./sq.).

SOLIDS:

Weight: 30.2%

Volume: 26.16%

FLASH POINT:

Above 81°F T.O.C.

STORAGE STABILITY:

One year in original unopened containers. Material may gel if not kept tightly sealed or if exposed to moisture. Normally, containers should be used up on a job or within one week after originally opened.

CLEANING:

Clean equipment with Toluene, Xylene or MEK.

APPLICATION

Apply a uniform wet coat using a medium nap roller. Do not puddle. Polyprime #07 can be sprayed using conventional equipment but the applicator must take precautions against inhalation of particulate matter. Use of a proper respirator is necessary. Do not heat Polyprime #07 before or during spray application. Additional coats may be applied as soon as the previous coat is firm, and preferably, within eight hours. After 24 hours, inter-coat adhesion can be poor. Freezing temperatures will extend this recoat time up to 72 hours, due to the slow down in cure.

Our data is based on information from lab and field testing which we believe to be reliable and accurate. Environmentally Safe Polymers, Inc. makes no warranties, expressed or implied of the products use or its results, and assumes no obligation or liability in connection therewith.