



Environmentally Safe Polymers, Inc.

Technical Data

Updated 11/2004

POLYPRIME #06 SOLVENT BASED EPOXY PRIMER

PRODUCT DESCRIPTION AND USAGE:

PolyPrime #06 is a two component, solvent based epoxy. A general purpose primer for use where outstanding adhesion is required. It adheres well to most metals, organic polymers, wood, masonry and vitreous surfaces.

COLOR:

Part A is white. Part B is clear. The combined product is a white.

CONSISTENCY:

Part A is a thixotropic white liquid. Part B is a low viscosity fluid. When combined, the resulting product becomes a low viscosity fluid with lacquer-like application and drying properties.

PHYSICAL PROPERTIES

CHEMICAL RESISTANCE:

Excellent alkali, solvent and acid resistance.

HARDNESS:

Cures to form a tough semi-gloss coating material. However, approximately 7 days at 60°F to 80°F is required to achieve maximum hardness and solvent resistance.

WATER VAPOR PERMEABILITY:

Cures to form a solvent and vapor resistant film.

FLAMMABILITY:

Dry film is combustible.

TOXICITY:

Part A contains toluene, Xylene, methyl isobutyl Ketone and Cyclohexanone. Part B contains butyl acetate, toluene, Xylene and Cyclohexanone. Use a particulate matter respirator with solvent absorbing cartridges when spraying.

ADHESION:

Excellent adhesion to most surfaces.

LIQUID PROPERTIES

COVERAGE:

400 to 600 square feet per gallon.

SOLIDS:

Weight: 58.2 ± 1
Volume: 41.1 ± 1

FLASH POINT:

45°F T.O.C.

STORAGE STABILITY:

One year when stored in closed containers at 40 - 90°F.

APPLICATION

THINNING:

Thin up to 15% with Butyl Acetate. Clean up with M.E.K. or Cyclohexanone.

MIXING INSTRUCTIONS:

Mix the A component to resuspend any pigment that may have settled out. Combine equal volumes of part A and part B, then mix thoroughly. Mixed material should be remixed hourly to resuspend any filler that settles to the bottom.

POT LIFE:

8 to 12 hours at 70°F.

PRIMER APPLICATION:

Apply in a thin mist coat by spray. **CAUTION:** Intercoat delamination can occur if PolyPrime #06 is applied heavier than that recommended. Do not apply to surfaces which are below 50°F or above 130°F.

APPLICATION OF TOP COATS:

Most coatings can be applied over PolyPrime #06 as soon as it is thoroughly set. This degree of dryness is normally achieved in 20 - 40 minutes. All E.S.P. polymer coatings and most commercial paint will adhere well to PolyPrime #06 when it has dried for 1 - 24 hours. If PolyPrime #06 has cured more than 48 hours, it should be re-primed prior to top coating.

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.