



# Environmentally Safe Polymers, Inc.

## Technical Data

Updated 11/2004

### **POLYPRIME #08 SINGLE COMPONENT URETHANE PRIMER**

#### **PRODUCT DESCRIPTION AND USAGE:**

PolyPrime #08 is a single component water-based primer specifically developed for use as a primer for bonding PolyRoof #74 Aluminum, PolyRoof #70 Acrylic Elastomer and PolyRoof #73 Polyurethane Foam to EPDM.

#### **COLOR:**

Pinkish.

#### **CONSISTENCY:**

Low viscosity fluid.

#### **PHYSICAL PROPERTIES**

#### **WEATHERABILITY:**

The primary usage is as a primer, however weatherability is excellent.

#### **CHEMICAL RESISTANCE:**

Good solvent, acid and alkali resistance.

#### **WATER VAPOR PERMEABILITY:**

PolyPrime #08 has a high water vapor permeability even though it is usually applied as a thin film.

#### **FLAMMABILITY:**

Non-flammable.

#### **TOXICITY:**

Not for use with edible substances or potable water.

#### **ADHESION:**

Excellent adhesion to properly cleaned EPDM rubber. Limited adhesion to low surface energy materials.

#### **LIQUID COMPONENT PROPERTIES**

#### **COVERAGE:**

Normally used on non-absorbent surfaces and applied at a spreading rate of 500 square feet per U.S. gallon.

#### **SOLIDS:**

Weight: 43.2 ± 2%  
Volume: 40 ± 2

#### **FLASH POINT:**

Above 200°F T.O.C.

#### **STORAGE STABILITY:**

One year. Protect from freezing in shipment and storage.

#### **THINNING:**

Not recommended.

#### **MIXING INSTRUCTIONS:**

Mix thoroughly before using. Slight separation tends to occur during storage.

#### **SURFACE PREPARATION:**

All surfaces must be clean, dry and free of dirt, oil, grease and other contaminants. High pressure washing with detergent is preferable. However washing with a suitably diluted solvent-alkaline cleaner or equivalent liquid detergent is adequate provided that sufficient scrubbing to loosen contaminants is done, then is followed by thorough rinsing. After cleaning, all surfaces must be allowed to dry completely.

#### **APPLICATION**

PolyPrime #08 is a ready to use material. It can be applied using a Hudson-type agricultural sprayer, as well as through conventional or airless spray equipment. Safety glasses with side shields and latex gloves are recommended when transferring PolyPrime #08 from the shipping container to the sprayer. If using a Hudson sprayer, adjust spray nozzle to achieve a uniform spray pattern with a 3 to 4 foot area. If using airless spray equipment, use a .015" to .019" reversible tip with a 40 to 50° fan angle. Allow PolyPrime #08 to stand a minimum of 10 minutes to wet out and react with the EPDM surface. Rinse with clean water using a minimum 2,000 psi pressure washer. Begin the power rinse at the lowest point on the roof and work upwards, keeping the pressure washer tip within 12" of the EPDM surface. Once the highest point on the roof is reached, work down again with a final rinse to remove any excess mica from the roof. After cleaning, the roof should be "jet black" in color, which is an indication that the surface has been chemically altered. Allow surfaces to dry thoroughly prior to application of the topcoat.

## **POLYPRIME #08**

### **EQUIPMENT REQUIREMENTS:**

Clean equipment with water and biodegradable detergent. Purge the water from the pump and hoses using mineral spirits prior to storing for any length of time.

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.