



PSI Primer #67

Product description

PSI Primer #67 is a two-part epoxy/polyamide primer for concrete and galvanized steel.

Basic uses

PSI Primer #67 is applied to concrete and galvanized steel to provide excellent adhesion for PSI polysulfide and polyurethane sealants, particularly in water immersion applications.

Application limitations

- Do not apply over wet or damp surfaces.
- Contains flammable solvents; adequate ventilation required.
- Do not apply primer to backer rod to prevent three-sided adhesion.

Color

Clear amber.

Packaging

Available in pint (473 ml) and quart (946 ml) kits.

Application

Preparation: The surface to which the primer is to be applied must be clean, dry and free of oil, tars, paint and other surface contamination. Concrete surfaces must be sand-blasted or wire brushed until laitance-free.

Mixing: PSI Primer #67 is supplied in two-part, premeasured kits. Pour entire contents of Part A into Part B and thoroughly mix. Slow mixing by hand or with a standard paint shaker is recommended. The material should be stirred occasionally during use.

CAUTION: DO NOT MIX PART A AND PART B TOGETHER UNTIL READY TO USE.

Application: After mixing Part A with Part B in their proper proportions, the mixture should stand for 30 minutes before use. It can then be applied to the clean surface by brush in a uniform thickness free of sags. A minimum dried film thickness of 1.0 to 1.5 mils is recommended. When multiple coats are applied, allow the final coat 2 to 3 hours of drying time at 75°F (24°C) and 50% relative humidity. Lower temperature or high humidity will increase the initial dry time.

After mixing Part A with Part B PSI Primer #67 must be applied within the "Application life" times shown in **Application Properties** below. Do not mix fresh material with material nearing the end of its application life.

Clean up: Equipment can be cleaned with solvents such as xylene or mineral spirits. Avoid ignition sources. Consult manufacturer's MSDS for safety precautions.

Application Properties*

Color: Part A	Clear to light yellow
Part B	Amber
Mixing ratio by weight or volume	1:1
Consistency	Colorless liquid
Specific gravity	0.8
Density	6.7 lb/gal
Min. recommended film thickness	1.0 to 1.5 mils (0.025 to 0.037 mm)
Application life: at 40°F (4°C)	16 hours
at 75°F (24°C)	8 hours
at 100°F (38°C)	3 hours
at 120°F (49°C)	1 hours
Open time	8 hours
Dry time before sealant application	
at 75°F (24°C) & 50% RH	3 hours minimum 24 hours maximum
VOC content	4.6 lb/gal
Flash point: Part A	51°F (11°C)
Part B	44°F (7°C)

* Typical properties are for information only, not for purposes of specification.

Maintenance: PSI sealants must be applied between 3 and 24 hours after application of PSI Primer #67. If the primer dries more than 24 hours, reprime the surface.

Shelf life: At least one year from date of shipment when stored at temperatures below 80°F (27°C) in original, unopened containers.

Health precautions

- Both parts contain a flammable solvent. Keep away from ignition sources such as open flames, sparks, electric heaters, etc., during use.
- Provide mechanical ventilation in closed areas. Avoid breathing vapors.
- Uncured components may produce irritation following contact with eyes, clothing and skin, especially open breaks in the skin.
- Wash hands before eating or smoking.
- Obtain medical attention if ingested or in cases of extreme exposure.
- Keep out of reach of children.

For additional safety and health information, consult a Material Safety Data Sheet.

Technical services

PSI provides field service, performance data, specification assistance and use evaluations.

Adhesion testing by PSI: This program is intended to eliminate potential field application problems by pre-testing the adhesion of PSI's construction sealants on samples of building materials submitted by the customer. The tests will aid in determining the proper surface preparation method, effective solvents for cleaning and whether priming is necessary to achieve optimum adhesion. Following this procedure will remove many of the variables that affect field success.

Test samples should be identified as to manufacturer, origin, designed use, building project, person and firm originating the request. Appropriate sketches of drawings showing the intended use can be helpful. They should be sent to the attention of PSI's Technical Director.

Jobsite testing of substrates: A field test can be performed by applying several feet of the sealant to a representative joint and letting it reach full cure. Make a cut in the cured sealant across the joint the entire depth of the sealant. Make two vertical cuts several inches long, paralleling the sides of the joint as closely as possible and extending down from the cross cut. Grasp the free length of sealant and pull at a 90° angle to determine if a good bond has developed. With good adhesion, the sealant will usually tear cohesively or be difficult to remove from the surface.

Availability and cost

Polymeric Systems, Inc., is a part of Whitford Worldwide. For more information, please contact Polymeric Systems or Whitford Plastics Ltd. at:

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