



PSI-75 Two-component Primer

Product description

PSI-75 Two-component Primer is an epoxy-based solution used as a primer in professional application of PSI polysulfide and silicone sealants on porous and non-porous substrates.

Basic uses

PSI-75 Two-component Primer promotes the adhesion of PSI sealants to concrete, masonry, steel, glass, ceramics and certain plastics. It is the required primer for use with PSI-275 Multi-component Polysulfide Sealant for water immersion applications. Because of the wide variability of substrates, it is recommended that product performance be confirmed by pre-testing primer and sealant on project surfaces prior to use.

Application limitations

- If sealant cannot be installed within 36 hours, reapply primer.
- Keep cans tightly closed when not in use.
- Do not thin primer.
- Do not apply over wet or damp substrates.
- Do not apply primer to backer rod to prevent three-sided adhesion.

Packaging

Available in 30 fl. oz. (888 ml.) two-part kit consisting of 15 fl. oz. (444 ml.) each of Part A Epoxy Resin and Part B Epoxy Activator.

How to use

Surface preparation: Allow new concrete to cure a minimum of 28 days. For existing concrete, remove any laitance or weak surface layers.

Apply only to clean, dry, sound concrete that is free of all coatings, sealers, curing compounds, oils, greases, or other contaminants. Scarifying, sandblasting, abrading, and/or cutting back of masonry joints will properly prepare concrete for receiving PSI-75 Two-component Primer.

For steel immersion applica-

tions, "White Metal" abrasive blast with an anchor profile of 2 to 4 mils in accordance with Steel Structures Painting Council Specification SP-5-63 or NACE No. 1 is required. For splash and spillage exposure, "Near White" SP-10-63 or NACE No. 2 is required.

Mixing and application: Mixing ratio is 1:1. Mixed primer work life is 24 hours maximum.

Stir both parts thoroughly before mixing them together, as settling may occur. Then pour Part B Activator into Part A Resin and mix by hand for a minimum of 2 minutes, being sure to scrape the sides. Apply by brush or phenolic core roller, confining primer to only the sealant contact area of the joint. Any primer applied to surrounding areas should be removed immediately with mineral spirits.

On concrete, allow primer to cure a minimum of 2 hours and a maximum of 36 hours. On steel, allow primer to cure a minimum of 4 hours and a maximum of 36 hours. In any application, if the primer application is allowed to remain open after 36 hours, primer must be reapplied.

Cleanup: Clean equipment immediately after use with mineral spirits or a comparable solvent. When using flammable solvents, consult manufacturer's SDS for safety precautions. Always wear chemical-impervious gloves when using this product.

Application properties*

Properties	Results
Consistency, Part A	Clear to slight yellow liquid
Consistency, Part B	Thick, viscous black liquid
Mixing ratio	1:1
Coverage rate on concrete	700 to 800 lin.ft./unit
Coverage rate on steel	1100 to 1300 lin.ft./unit
Open time	
on concrete @ 77°F	2 hrs min. to max. of 36 hrs
on steel @ 77°F	4 hrs min. to max. of 36 hrs
VOC content	0.42 lb/gl (50 g/L)
Flash point, Part A	75.9°F (24.4°C)
Flash point, Part B	106.9°F (41.6°C)
Solids contents (mixed)	65%
* Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.	

Shelf life and storage (unmixed): One year from date of shipment when stored in a cool [65°F to 80°F (18 to 27°C)], dry location away from direct sunlight and sources of intense heat in original, unopened containers; protect from freezing.

Health precautions

Part A (Resin):

Warning!



Flammable liquid and vapor.

Part B (Activator):

Warning!



Flammable liquid and vapor.
Harmful if inhaled. Causes serious eye irritation.

Refer to the Safety Data Sheet for complete health and safety information.

Technical services

PSI provides 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. Contact your PSI sales representative for more information.

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.

Contact Details

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