



**Product Data Sheet For:**

# PlexiSeal/ Surface Tolerant Epoxy Primer

**DESCRIPTION**

PlexiSeal/ Surface Tolerant Epoxy Primer is a clear Polyamine Sealer designed to wet, strengthen, and seal porous surfaces and as a sealer/primer for prepared concrete surfaces. On steel surfaces it is recommended for areas where, due to restrictions or economics, blasting or thorough hand preparation is not feasible. PlexiSeal provides a base coat or seal coat on new or properly prepared old concrete surfaces for application of a coating system. It is an excellent sealer for encapsulations of old coatings where removal is not feasible or for aged "white rusted" zincs rich coated surfaces. PlexiSeal is 100% solids with a very low viscosity and is designed for application at low film thickness. It will not shrink upon curing. PlexiSeal provides excellent substrate wetting and can be top coated with a wide variety of coatings such as alkyds, silicone alkyds, epoxies, epoxy esters, phenolics, acrylics, and urethanes.

**Product Specifications**

Material Type	Modified Epoxy
Solids Content	100% by weight, 100% by volume
Coverage (Theoretical)	1604 sq. ft. per gallon 1.0 mil DFT 1069 sq. ft. per gallon 1.5 mil DFT
Coverage (Estimated)	1283 sq. ft. per gallon 1.0 mil DFT (20% loss factor) 855 sq. ft. per gallon 1.5 mil DFT (20% loss factor)
Number of Coats	Normally one @ 1.0 to 2.0 mils DFT; two coats may be applied if required
Application Method	Conventional spray preferred, may be brushed or rolled if desired
Thinner	Not recommended
Clean-Up solvent	MEK, MIBK
Shelf Life at 75F	One year from date of manufacture, unmixed
Dry Time at 75F	16 hours - to recoat, minimum; may be overcoated if still tacky
Induction Time	None
Flash Point (SETA)	Component A - >200F; Component B - >200F
Color, Gloss	Clear - gloss finish
Pot Life	40 minutes @ 70F (24C)
Mixing Ratio	2 to 1 by volume
VOC Content	0 lbs/gal; 0 grams/liter (ca)
Shipping Information	27 lbs. per 3 gallon unit (2 gallons base & 1 gallon activator) 140 lbs. per 15 gallon unit (2 / 5 gallons base & 1 / 5 gallon activator)
Freight	Paint, no label required

## Limitations

Apply in good weather when air and surface temperature are above 50°F and surface temperature is at least 5°F above the dew point. For optimum application properties, material should be between 70°F and 100°F prior to mixing and application. Maintain unmixed material in closed containers in protected storage at 40°F to 100°F.

## Surface Preparation

Good surface preparation is essential to a satisfactory coating system. *PlexiSeal* is formulated for application to rusty ferrous metal surfaces as well as properly prepared concrete surfaces as a sealer. The performance life of the system on steel and concrete will in part depend on the degree of loose rust, rust scale, unsecured old paint, laitance and other contaminant removal. In addition, any oil, grease, or other chemical contamination must be removed. Any surface not being blast prepared should receive a high-pressure water wash to remove as well as dislodge the loose rust, rust scale, laitance and other contaminants. Extra heavy rust scale may require hand or mechanical removal. We surface has thoroughly, *PlexiSeal* may be applied. After overnight cure (16 hours minimum), *PlexiSeal* may be top coated with epoxy polysulfides, epoxies, epoxy mastics and/or various other materials or finish products including polyurethanes to produce additional color selection or to improve cosmetic appearance, weatherability and/or chemical resistance.

## Mixing

*PlexiSeal* is supplied in 3-gallon and 15-gallon kits. Always mix a complete unit in the proportions supplied. (1) Mix 2 parts by volume of component A with 1 part by volume of component B. (2) Mix thoroughly with power agitator.

(3) Allow to stand for 15 minutes and remix before application. Usable pot life depends on the temperature of the material ...it is 4 hours @ 70°F.

## Thinning

Do not thin.

## Application

Apply by conventional air spray, brush, or roller. Airless spray is not recommended. To minimize overspray, use low air pressure 5 to 20 psi. *PlexiSeal* epoxy sealer is low viscosity for maximum penetration. Material should be applied at 1.5 mils in one thin wet coat sufficient to completely cover and penetrate to the surface. Additional coats of *PlexiSeal* may be required for very porous surface. Do not apply heavy coats. NOTE: During lunch breaks or any period of work stoppage, material should be removed from hoses and equipment. Release pressure from equipment and flush hoses and equipment with MEK or MIBK. Do not re-pressurize equipment until ready to resume work.

## Cleanup

Clean all equipment immediately after use with MEK or MIBK. Completely flush all spray equipment with this solvent. Occasional flushing of spray equipment during the course of the working day helps prevent buildup and possible clogging.

## Safety

Safe storage, handling, and use dictate that adequate health and safety precautions are observed with this product. User is specifically directed to consult the current Material Safety Data Sheet for this product as well as precautions contained on product labeling.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to *Plexi-Chemie* Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.