



Corrosion Resistant Epoxy Primer

Description

CHEMPRIME 3001 is a voc-compliant, high-performance epoxy primer.

It adheres strongly to surface prepared steel and concrete. It provides excellent barrier protection against corrosion. It has high

chemical resistance making it suitable for use in aggressive environments.

This product is ideal for steel fabricators requiring a high-performance, corrosion resistant primer with good handling and re-coat features.

CHEMPRIME 3001 may be top-coated using CHEMTHANE 3107 or CHEMTHANE 3300.

This primer is easy to apply using a brush, roller, conventional or airless spray equipment.

This product complies with Mil Spec 24441 as a primer and intermediate coat.

Typical Properties

Property		
Solids, by volume		58%
Solids, by weight		74%
VOC (supplied and sprayable)		3.2 lbs/mixed gallon
Color availability		Light gray
Mix ratio, by volume		4:1
Weight per mixed gallon		11.8 lbs/gallon (1.41 kg/l)
Theoretical Coverage		930 sq. ft.per gallon, per mil (86 sq. m per gal per mil)
Primer requirement		None required
Application temperature range		45° F to 120° F (7° C to 49° C)
Recommended thickness		4 - 8 mils DFT (0.1015 - 0.2032 mm)
Sag resistance		9+ wet mils (0.22 mm)
Pot life		2+ Hours @ 77° F (25° C)
Adhesion to steel		Excellent
Adhesion to concrete		Excellent
Chemical resistance		Excellent
Accelerated weathering		Will discolor and chalk
Salt for spray		> 2500 hours (ASTM B1117-85)
Gloss		Flat

Cure Times

Cured to the touch		60 Minutes @ 77°F (25° C)
Print free		7 Days @ 77°F (25° C)
Ultimate cure		7 Days @ 77°F (25° C)
Time to re-coat		After 4 hours & before 7 days @ 77°F (25° C)

Packaging, Storage & Shelf Life

CHEMPRIME 3001 is supplied in 5-gallon kits: 4-gallon Part A, 1-gallon Part B.

Keep containers tightly sealed until ready for use. Store material at temperatures between 50 - 80° F (10 - 27° C) in a dry, well ventilated area.

Do not store near ignition source. Ensure that material does not freeze.

Material has a minimum shelf life of 12 months after the date of manufacture if properly stored.

Safety Precautions

CHEMPRIME 3001 IS FOR INDUSTRIAL USE ONLY.

Avoid contact with eyes, and skin; do not inhale or ingest. When working with this material wear goggles, rubber gloves and a respirator. When spraying in a confined area, also wear a fresh air hood and make provision for forced ventilation.

Refer to MSDS regarding individual components.

Application Guidelines

Consult with a CHEMLINE Representative for detailed application instructions.

For best results, The substrate must be dry and free from dust, oil and grease. The substrate surface temperature should be a minimum of 5° F above the dew point of ambient air. Abrasive blast substrate surface using steel grit or sand. Steel surfaces should be cleaned to a minimum commercial blast with a minimum angular profile of 1.5 mils. Clean concrete surfaces by removing all surface laitance and exposing sound concrete.

Combine Parts A and B in a ratio of 4:1 by volume. Power mix Parts A and B together until uniform. Material may be used immediately. Thinning is usually not required but may be done with MEK or Xylol.

CHEMPRIME 3001 is applied using a brush, roller or spray application equipment. Best results have been obtained using a 30:1 (or higher) single component airless spray pump, a .015 or .017 spray tip and fluid pressures ranging from 2200-3000 psi (airless). Filters 60-100 mesh. Apply in an even, uniform manner making sure recesses and edges are thoroughly coated.

It is recommended that a 'stripe' coat be first applied to weld seams and edges to ensure good coverage.

A minimum thickness of 2 mils dft must cover the 'peaks' of the blast profile for proper corrosion protection.

Flush pump thoroughly immediately after use with MEK or Xylol.

Warranty

CHEMLINE warrants this product to be free of defects in material and workmanship.

CHEMLINE's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at CHEMLINE's option, to either replace the products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products.

Any claim under this Warranty must be made by the Buyer to CHEMLINE in writing within (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify CHEMLINE of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.

CHEMLINE makes no other warranties whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

In no event shall CHEMLINE be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by CHEMLINE, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk.

Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

CHEMLINE's liability on any claim of any kind, including claims based upon CHEMLINE's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim.

In no event shall CHEMLINE be liable for consequential or incidental damages.



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