



QUICK DRY LV EPOXY PRIMER

196-4533 Light Gray

196-4534 Yellow Oxide

PRODUCT DESCRIPTION

Quick Dry LV Epoxy Primer is a high-performing, very fast recoat, sandable, two component, VOC conforming (2.8lbs./gal./low HAPS) Amine Cured Epoxy that will cure at temperatures down to 20°F. Quick Dry LV Epoxy Primer is specially modified with a proprietary blend of selective resins, wetting agents and penetrants to provide excellent adhesion and protection to properly prepared carbon steel, galvanized steel, and aluminum surfaces. Depending on the temperature, the fast setting Quick Dry LV Epoxy Primer can be recoated in 60 to 105 minutes.

Quick Dry LV Epoxy Primer is used as a regular and high build primer under a wide variety of Epoxy and Polyurethane topcoats.

PRODUCT FEATURES

A high performance primer on properly prepared carbon steel, galvanized steel, and aluminum where:

- Recoating in 60 minutes is possible for maximum productivity
- No induction time and longer pot life will improve productivity
- A smooth, sandable primer, at 3 mils DFT, for maximum appearance when topcoating is required
- A high build primer, up to 6 mils DFT, over abrasive blasted or power tool cleaned substrate is needed for additional corrosion resistance
- Application by brush and roller, in addition to spraying, may be necessary
- Spray application with minimal dry spray is desired.
- Application at temperatures as low as 35°F is needed. Will cure down to 20°F.

TECHNICAL DATA

Colors:	Light Gray; Yellow Oxide	Pot Life:	5 hours at 75°F (2.5 hours at 85°F)
Finish:	Flat	Application:	Spray, brush or roller
Induction Time:	None	Thinning:	5-15% with MEK per gallon
Volume Solids:	56 +/- 2%	Application Temperature:	35 °F - 120 °F
Coverage (Theoretical):	896 sq. ft. @ 1.0 mil DFT	Recoat Time:	105 min. @ 75 °F (2 mils DFT)
Recommended Thickness:	3 mils DFT @ 300 sq. ft. per gallon. Up to 6 mils DFT @ 150 sq. ft. per gallon for additional corrosion resistance (Dry times are extended significantly at higher DFT)	Maximum Recoat:	7 days @ 75°F
Mixing Ratio:	2:1 by volume. Mix 2 parts Base (Part A) to 1 part Hardener (Part B)	Dry Service Temperature:	250°F Max
Packaging:	15 gallon & 3 gallon units	V.O.C.:	(2.8lbs./gal. / 335gmltr / low HAPS)

CHEMICAL RESISTANCE

Excellent resistance against alkali, salts, fresh or salt water, gasoline, weather, humidity, and many acids and solvents with appropriate intermediate and topcoat. Quick Dry LV Epoxy Primer is intended to be used as a primer and should be topcoated.

PRODUCT USES

An excellent, fast recoat, sandable, production primer for fleet, rail, construction equipment, transportation equipment, and many OEM applications. An ideal epoxy primer for structural steel, tanks, vessels, equipment, etc. For use in chemical processing plants, pulp and paper mills, fertilizer plants, petroleum refineries, electric generating stations, coal handling operations, food processing plants, etc., where recoating in 60 minutes @ 90°F and 105 minutes @ 75°F is required for maximum productivity.

SURFACE PREPARATION

1. STEEL

a. Sandblast (Recommended)

Sandblast to a “commercial” (SSPC-SP6-63) or “Near White” (SSPC-SP10-63) blast finish. For best results, prime the same day with Quick Dry LV Epoxy Primer.

b. Power Tool Clean

Follow instructions as outlined in SSPC-SP3 specification.

c. Hand Cleaning

Follow instructions as outlined in SSPC-SP2 specification.

2. GALVANIZED STEEL - ALUMINUM

a. New

Brush blast per SSPC-SP-7.

b. Old, Weathered or Rusty

Remove all oil, grease, dirt, rust and other foreign matter. Surface should be clean, dry and free of contaminants. Follow with a Sweep blast to provide an anchor profile. Remove all loose paint, rust, etc., as outlined above under “steel.”

3. PREVIOUSLY PAINTED SURFACES

Remove all loose, peeling, or blistered paints, and any other surface contaminants. Make sure surface is sound and dry. A test sample of Quick Dry LV Epoxy Primer should be applied to the existing paint to check for compatibility.

MIXING INSTRUCTIONS

Stir each component to a uniform consistency, using an explosion proof variable speed drill with an appropriate size Jiffy Mixer®. Make sure any pigment settled to the bottom is incorporated. DO NOT vary proportions. Quick Dry LV Epoxy Primer is prepared by mixing 2 parts Base (Part A) to 1 part Hardener (Part B) with a Jiffy Mixer ® Power Mixer. Quick Dry LV Epoxy Primer may be thinned up to 15% with MEK.

V.O.C.

Unthinned	Thinned 5 %	Thinned 10%	Thinned 15 %
2.8 lbs./gl.	3.0 lbs./gl.	3.18 lbs./gl.	3.35 lbs./gl.
(335 gms./liter)	(359 gms./liter)	(381 gms./liter)	(401 gms./liter)

POT LIFE

The Pot Life of Quick Dry LV Epoxy Primer is approximately 5 hours at 75°F and 2.5 hours at 85°F.

CONVENTIONAL SPRAY

Spray Gun: Binks 2001 – DeVilbiss JGA
Fluid Nozzle: Binks 63CSS – DeVilbiss FF (1.4) 1.0-1.7
Air Cap: Binks 63PR DeVilbiss 765

AIRLESS SPRAY

Pump: Graco Extreme 33:1
Airless Gun: Graco 207945
Fluid Hose: 3/8" x 50' Max
Tips: 415-519
Min. pressure to avoid fingering: 2700 psi min.

When spraying, use a 50% overlapping crosshatch pattern to maximize hide and minimize the occurrence of pinholes. Do not apply to surfaces below 35°F or above 120°F. Do not apply over dew or frost. The surface temperature should be at least 5°F above the dew point. Manufacturers listed above are a guide. Others may be used. Changes in pressure and tip size may be required to achieve proper application.

CURE TIME

50% R.H. @ 2 MILS DFT @ 75°F

Dust Free 30 minutes
To Touch 60 minutes
Recoat. 105 minutes
Hard Dry 2.5 hours

To Sand. 5 hours
Pack/Ship 4 hours
Maximum Recoat. 7 days
Pot Life. 5 hours

50% R.H. @ 2 MILS DFT @ 90°F

Dust Free. 25 minutes
To Touch 45 minutes
Recoat 60 minutes
Hard Dry. 1.5 hours

To Sand. 4 hours
Pack/Ship. 3 hours
Maximum Recoat. 5 days
Pot Life. 2.5 hours

NOTE:

Dry times due to the colder temperatures and higher DFT are extended significantly. Primer is susceptible to amine blushing at lower temperatures and high humidity. Primer can be recoated in a minimum of 16 hours at 35°F and 48 hours @ 20°F. If you cannot recoat within 7 days, a light sanding with 220-320 grit open coat sandpaper must be done to assure proper topcoat adhesion.

Times will be longer for thickness above 2 mils DFT. For safety and proper product curing, good ventilation is necessary when painting indoors or in confined areas. Epoxy coatings may yellow or darken during application and after final cure. Quick Dry LV Epoxy Primer Hardener will darken with age. This will affect the color but will have no effect on the performance of the product. Heaters that emit carbon dioxide and carbon monoxide can cause the primer to yellow. Quick Dry LV Epoxy Primer is designed as a primer; use appropriate topcoats.

CAUTIONS

Quick Dry LV Epoxy Primer is Flammable. Keep away from all sources of ignition during mixing, application and cure. The Hardener (Part B) is corrosive and can cause eye and skin irritation as well as allergic reactions. The use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing is recommended standard practice when spraying coatings. Proper ventilation is always required.

This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.

Read and Fully Understand MSDS and Label Directions & Warnings Before Using!
For Professional Use Only!
Keep Out of Reach of Children