

TRIANGLE INDUSTRIAL**CAL24****PWB145D Red Primer**

® TRADE MARK OF CALTRANS

Caltrans Specification Red Oxide Waterbase Latex Primer**Specifications****DESCRIPTION:**

CAL24 is a very high performance corrosion inhibiting, water reducible latex primer formulated for iron, steel and galvanized metal. **CAL24** uses zinc phosphate in combination with chemical flash rust inhibitors to protect against rusting and undercutting. It provides excellent adhesion and corrosion resistance on properly prepared surfaces where a waterbase topcoat will be applied. **CAL24** is intended for field application to white blasted steel or iron, but it can be just as easily used as a shop and maintenance primer. It features very easy application and no lead, chromate or petroleum solvent chemical hazards.

CAL24 is part of a two part Caltrans priming system. **CAL24** is the final primer coat and is applied over the contrast primer coat **CAL25**.

In common with all latex products, **CAL24** requires thorough surface preparation and exhibits temperature sensitive drying.

USE:

CAL24 is recommended for iron, steel or galvanized in non chemical, non submersion service. Uses include exterior structural steel, steel bridges, power line towers, microwave towers, metal buildings, gutters, downspouts and metal roofs. It is also used for shop application to structural steel and large, air dry fabrications subject to severe climatic exposure such as structures for telephone and/or electronic switching or relay equipment.

ADVANTAGES:

- Premium corrosion protection.
- Excellent adhesion.
- Very low VOC.
- Lead and chromate free.
- Safe, simple latex application. – water cleanup.

LIMITATIONS:

- Not recommended for chemical environments or surfaces subject to water submersion.
- Not intended for product finishing when a near automotive finish is required or when top coats with aggressive solvents are used.
- Not recommended for application in temperatures below 50° F.

Properties

VOC: [as packaged] 30 g/l - (0.25 lbs./gal.)

APPEARANCE: [Gloss at 60°]

Matte 50 – 55

WEIGHT PER GALLON: 11.6 lbs.

FLASH POINT: [setaflash] >240° F.

PACKAGE VISCOSITY: 82 – 95 KU

SOLIDS:

By Weight 57 ± 2 %

By Volume 46 ± 2 %

COVERAGE:

Theoretical at 1 mil DFT 734 sq.ft./gal.

Theoretical at 4 mils DFT 185 sq.ft./gal.

Recommended Minimum DFT 4 mils

DRY SCHEDULE: [at 50% RH and 2 mils DFT]

	50° F.	65° F.	80° F.	90° F.
<i>Dry to Touch</i>	3 hrs	1½ hrs	45 mins	20 mins
<i>Rainproof</i>	24 hrs	16 hrs	8 hrs	6 hrs
<i>Recoat</i>	36 hrs	16 hrs	8 hrs	6 hrs

COLOR AVAILABILITY:

CAL24 is stocked in red iron oxide color only. Caltrans jobs require pre-inspected wet paint samples before application. Expect three week delivery after order – one week to make; two weeks to inspect.

ORDER NUMBER AND COLOR:

CAL24 Red

PACKAGING:

Four ea. 1 gallon cans per case [truck] 53 lbs.

One ea. 5 gallon plastic pail 63 lbs.

Shipping & Handling**SHIPPING DESCRIPTION:** [CFR 49]

Domestic Ground/Air/Vessel: Not regulated

IMDG PACKAGING & STOWAGE: Not regulated

UNIFORM FIRE CODE: [CFR 29] CLASS III-B

STORAGE TEMPERATURE: 120° F. max.

Do Not Allow To Freeze 35° F. min.

SHELF LIFE: [warranted] 1 Year

“HMIS” RATINGS: H - 1; F - 1; R - 0; PP - H

TRIANGLE COATINGS, INC.
Sales: 510-895-8000
www.tricoat.com



CAL24, PWB145D Red Primer

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Application Data

***FOR CALTRANS JOBS:**

If this product is used on a Caltrans job, the Caltrans specification takes precedence over the below information. For Caltrans work always refer to the Caltrans job specification before applying this product.

REQUIREMENTS FOR APPLICATION:

- Both surface and ambient temperatures must be above 50° F.
- Surfaces to be primed must be dry, +5° F. above dewpoint and protected from all moisture until rainproof as per chart above.
- Surfaces must be clean, 100% free of contaminants through which water cannot penetrate including accumulated dirt/dust, mud, oils, grease and any form of silicone.
- All rust must be removed. New steel must meet SSPC-SP1, repaints must meet SSPC-SP2. Abrasive blasting should go to SSPC-SP7.
- All loose, peeling and/or marginally adherent paint must be removed.

FILM DEVELOPMENT & THICKNESS:

CAL24 is applied in two coats to produce a finished dry film of 4 mils.

THINNING:

CAL24 is designed for use at package viscosity. Thinning is not recommended for any purpose.

APPLICATION: STIR BEFORE USE

CAL24 This coating is intended for spray application. Limited application may be made by brushing or rolling. This system is not designed for airless spray application. Be sure to use a contrast color for second prime coat.

Weather Conditions: This coating is to be applied only on thoroughly dry surfaces and during periods of favorable weather (as outlined in section 59-1.02 of the Caltrans Specification book).

Note: A minimum of 12 hours drying time must be allowed between each application. Brush any smaller or irregularly shaped surface and to work paint into difficult areas like bolt heads or deep inside corners. Mitts are highly recommended for smaller diameter pipes, rails and angle or channel iron. Conventional and HVLP spray are appropriate anywhere overspray is not a problem.

Brush: Professional quality nylon or nylon polyester blend sized to the job.

Conventional: .045 – .055 fluid nozzle; air cap sized to available air and type gun at 55 – 65 psi.

HVLP: .040– 0.55 fluid nozzles; paint pressure, 10 to 15 psi; air cap pressure, 10 psi.

RECOMMENDED TOPCOATS:

Water reducible latex CAL03 (PWB86)

CLEANUP: Water Cured **CAL24** can be cut with AT17 Wash Thinner.

Health & Safety

CAUTION:

LIQUID CONTACT WITH EYE AND SKIN CAUSES IRRITATION. DO NOT INGEST. Contains petroleum distillates. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. If spillage has occurred, absorb and dispose of according to local regulations.

FIRST AID:

Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin wash thoroughly with soap and water. If swallowed get medical attention immediately. DO NOT induce vomiting.

THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN.

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