

**TRIANGLE INDUSTRIAL****Bakote Primer™***Multi-Purpose, Surface Tolerant Rust Inhibitive Primer***Specifications****DESCRIPTION:**

**Bakote Primer** is a high solids, single component, solvent reducible, corrosion inhibitive, maintenance primer for industrial iron and steel. It is a surface tolerant primer designed for simple field application to hand cleaned metal, SSPC-SP1, SP2 and SP3. **Bakote Primer** has very good wetting action and can be applied over small amounts of fully adherent rust as long as the surface is clean and sound. It provides protection against undercutting and covers well over irregular surfaces, open seams and behind nuts/washers. The alkyd resin system has excellent resistance to water and high humidity. **Bakote Primer** is designed for application by brush or spray.

**USE:**

**Bakote Primer** is designed for use under **Bakote Enamel** and is recommended for use under alkyd and waterborne acrylic top coats. **Bakote Primer** is a versatile product with use ranging from shop priming structural steel to maintaining plows. Typical examples include maintenance painting of industrial structures, steel ships, construction and farm equipment, metal doors and machinery. In maintenance situations, **Bakote Primer** is also an excellent primer for wood.

**ADVANTAGES:**

- Excellent wetting, unyielding adhesion
- Very good corrosion inhibition
- Very easy application
- Lead and chromate free; no chemical hazard in dry state
- Used by job shops or metal parts manufacturers that want to supply their customers with a finished product that will not rust in transit and be ready for topcoating

**LIMITATIONS:**

- Limited chemical resistance
- Relatively slow dry
- Not recommended for submersion, severe chemical environments or use under urethanes or epoxies

**Properties****VOC:** [as packaged] ..... 192 g/l – (2.8 lbs/gal)**FLASH POINT:** [setaflash] ..... 108° F**APPEARANCE:** [Gloss at 60°]

Matte Flat (M) ..... 7-10

**WEIGHT PER GALLON:** [average] ..... 12.6 lbs**PACKAGE VISCOSITY:** ..... 75-85 KU**SOLIDS:** [average]

By Weight ..... 81 ± 1%

By Volume ..... 69 ± 1%

**COVERAGE:** [average]

Theoretical at 1 mil DFT ..... 1100 sq ft/gal

Theoretical at 1.5 mils DFT ..... 733 sq ft/gal

Required Minimum DFT ..... 2 mils

**DRY SCHEDULE:** [at 50% RH and 1.75 mil DFT]

	45° F	60° F	75° F	90° F
<i>Dry to Touch</i>	4 hrs	2 hrs	60 mins	45 mins
<i>Handle</i>	32 hrs	16 hrs	8 hrs	6 hrs
<i>Stack/Recoat</i>	36 hrs	18 hrs	12 hrs	8 hrs

**COLOR AVAILABILITY:**

**Bakote Primer** is available in three colors: Red Oxide (109), Gray (609) and White (700).

**ORDER CODE:**

**Bakote Primer** is identified by the product series number, followed by the color number. For example: Bakote Primer, White ..... 903P700

**Code Sequence** ..... 903P + color**PACKAGING:** [average]

Six ea. 1 quart cans per case ..... 18 lbs

Four ea. 1 gallon cans per case ..... 51 lbs

One ea. 5 gallon metal pail ..... 62 lbs

**Shipping & Handling****SHIPPING DESCRIPTION:** [CFR 49]**Domestic Ground:** ..... Non Regulated Material**Air, Vessel:** ..... Paint, 3, UN1263, PG III

Required Label: ..... FLAMMABLE LIQUID

Required Marking: ..... PAINT UN1263

**IMDG PACKAGING:**

FLAMMABLE LIQUID, class 3.3, UN1263, III

**IMDG STOWAGE:** ..... Category A**UNIFORM FIRE CODE:** [CFR 29] ..... CLASS II**STORAGE TEMPERATURE:** ..... 120° F max**SHELF LIFE:** [warranted] ..... 1 YEAR**HMIS RATINGS:** ..... H - 2; F - 2; R - 0; PP - H

# Bakote Primer™

## Multi-Purpose, Surface Tolerant Rust Inhibitive Primer

### Application Data

#### REQUIREMENTS

- Surface and ambient temperatures must be above 38° F and minimum 5° F above dewpoint.
- **Bakote Primer** is designed for hand cleaned iron and steel, SSPC-S1, SP2 or SP3.
- All loose, peeling paint, non adherent rust, grease, silicones and water must be removed.
- Enameled surfaces, alkyd urethane or epoxy, must be abraded to dull.

#### FILM DEVELOPMENT & THICKNESS:

**Bakote Primer** is designed for one coat application at 2 mils DFT. On smooth surfaces **Bakote Primer** applied at 550 sq ft/gal will produce dry films with an average thickness of 2 mils. Decrease spread rate as surface irregularities, e.g. bolts, welds, etc., or surface profile, e.g. boiler plate or corrugation, increases total surface area.

#### THINNING:

**Bakote Primer** is designed for application at package viscosity. Even in non VOC regulated areas thinning is not necessary. Thinning can be employed in unregulated areas and using exempt solvents in regulated areas to improve atomization with limited air or smaller equipment or to fine tune film thickness.

- Exempt solvents vary widely in solvency, chemical hazard, cost and AQMD acceptance. Contact Triangle directly for recommendations.

#### APPLICATION:

**Bakote Primer** is designed for and is equally appropriate brush and spray application. Incidental wood could be rolled, however rolling causes too much bubbling for metal. Brush any smaller surface. Spray larger areas and smooth surfaces requiring a defect free finish, i.e. no brush marks. Use airless on large surfaces; use conventional or HVLP to get a fine finish and on smaller surfaces where high volume overspray would be cost prohibitive. Mitts are highly recommended on smaller pipes and long runs of smaller angle or channel iron.

**Brush:** Not critical. Chinese bristle or nylon polyester blended bristles are best.

**Airless:** ½ gpm pumps, .015 – .017 tips.

**HVLP:** .040 – .050 fluid nozzles.

**Conventional:** .040 – .050 fluid nozzles, 20 – 35 psi fluid; 65 – 85 psi air.

**Air Assist Airless:** Max. fluid pressure to 1800 psi, .015 tips, air adjusted as necessary.

**CLEANUP:** ..... AT17 Wash Thinner  
Rinse equipment with clear mineral spirits. Clean hands with a paint removing waterless hand cleaner.

### Health & Safety

#### CAUTION:

CAUSES IRRITATION. DO NOT INGEST. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. If spillage occurs, 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, seek medical attention immediately. DO NOT induce vomiting.

**THIS PRODUCT IS FOR  
PROFESSIONAL USE ONLY.**

**KEEP THIS PRODUCT OUT OF THE  
REACH OF CHILDREN.**

**WARRANTY:** The statements made herein, on labels, product bulletins, or by any of Triangle Coatings', Inc. employees or agents concerning this product are given for general information only. Due to variables beyond Triangle's control in application, surface preparation, surface temperature, humidity and other variable factors Triangle assumes no liability for any claim that may arise out of the use of its products and disclaims any warranty expressed or implied relating to the storage, application, thinning, merchantability, Buyer's assumption of performance, and the fitness for a particular purpose. Receipt of products from Triangle or its agents constitutes acceptance of the terms of this warranty. In the event that Triangle finds that the product delivered is not of Triangle's standard quality, Triangle will at its sole discretion, either replace the product or refund the purchase price. Triangle's choice of one of these remedies shall be the Buyer's sole remedy. Triangle will under no circumstances be liable for consequential damages, except insofar as liability is mandated by law. Triangle will deliver products at agreed times insofar as it is reasonably able to do so, but it will not be liable for failure to deliver on time when the failure is beyond its reasonable control.