

# Bakote Superchrome™

## Bright Aluminum Metallic Enamel

### SELECTION DATA

#### DESCRIPTION:

**Bakote Superchrome, 35G798** is a classic general purpose, high solids, oil modified, long and medium oil alkyd industrial enamel with good bright metal like sheen. It has high gloss, relatively flexible, crack resistant film, the ability to penetrate through minor surface contaminants, excellent corrosion protection and very simple to brush, roll or spray application. **Bakote Superchrome** is designed for application to primed surfaces but is recommended for direct application to clean iron and steel and to previously painted surfaces that have been abraded to dull.

#### USE:

General use is for maintenance finishing with VOC regulations above 454 g/l. Also, used as a decorative coating for interior/exterior graphic arts, advertising signs, murals and sculpture on wood, steel, canvas, vinyl, plastic and glass surfaces.

#### ADVANTAGES:

- Bright metallic color.
- Reflects heat.
- Does not require clear coating.
- May be tinted.
- Very sprayable viscosity at 75° F.
- Excellent water/weather resistance and protection for iron, steel and wood.
- Superior wetting provides secure adhesion & forgiving application.

#### LIMITATIONS:

- Low temperatures will *greatly* increase viscosity.
- This product is for industrial use and may not conform to air quality regulations for use or architectural surfaces.
- No corrosion inhibiting pigmentation; direct application to iron and steel does not provide resistance to "undercutting" from scraped or otherwise bare metal.
- Wood and galvanized must be primed.
- Not recommended for surfaces subject to continuous submersion or direct contact with chemicals.
- All alkyds chalk with exterior exposure; normal gloss retention is some chalking after 18 – 24 months, chalking to flat with 4 – 5 years full exposure, loss of film integrity at 5 – 7 years.
- Not compatible with urethane "hardeners".

### PHYSICAL PROPERTIES

**VOC:** [average as packaged] ..... 488 g/l – (4.1 lbs./gal.)

**APPEARANCE:** [Gloss at 60°]

Gloss (G) ..... 65 – 85

**WEIGHT PER GALLON:** [average] ..... 8.7 lbs.

**FLASH POINT:** [setaflash] ..... 108° F.

**PACKAGE VISCOSITY:** ..... 75 – 80 KU

**SOLIDS:** [average]

By Weight ..... 53 ± 1 %

By Volume ..... 42 ± 1 %

**COVERAGE:** [average]

Theoretical at 1 mil DFT ..... 673 sq.ft./gal.

Theoretical at 1.5 mils DFT ..... 448 sq.ft./gal.

Required Minimum DFT ..... 1.5 – 2 mils

Recommended DFT per coat ..... 1.5 mils

**DRY SCHEDULE:** [at 50% RH and 1.5 mils DFT]

	45° F.	60° F.	75° F.	90° F.
<b>Touch</b>	3 hrs.	2 hrs.	50 mins.	40 mins.
<b>Touch</b>	5 hrs.	3 hrs.	1½ hrs.	1¼ hrs.
<b>Recoat</b>	24 hrs.	12 hrs.	6 hrs.	4 hrs.
<b>Hard Cure</b>	48 hrs.	30 hrs.	24 hrs.	24 hrs.

#### COLOR AVAILABILITY:

35G798 ..... Metallic Aluminum  
Factory batch production available with min. 25 gallon orders. All colors are lead and chromate free.

**ORDER CODE:** ..... 35G798

Individual products are identified by the product series number, followed by a gloss identifier (G=gloss, S=semigloss) and ending in the color number For example, 35G798 is **Bakote Superchrome** (35) gloss (G) Metallic Aluminum (798).

#### PACKAGING:

6 ea. 1 quart cans per case ..... 17 lbs.

4 ea. 1 gallon cans per case ..... 43 lbs.

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TRIANGLE™



# Bakote Superchrome™

Bright Aluminum Metallic Enamels

## APPLICATION DATA

### REQUIREMENTS FOR APPLICATION:

- Surface and ambient temperatures must be between 42° F. and 95° F. and minimum 5° F. above dewpoint for normal application. Special procedures required from 28° F. to 42° F. and 95° – 115° F. Secure procedures from Triangle representative.
- Surfaces must be free of moisture, corrosion (flash rust OK), oils, loose paint, dirt, all forms of silicone, waxes, etc. SSPC-SP1, SP2 or SP3 as minimum.
- Performance over mill scale cannot be predicted. All scale should be removed.
- Enamelled surfaces must be abraded to dull.

### PRIMING:

Iron & Steel ..... 902P Rust Inhibitive Primer  
Galvanized ..... D303 Latex Primer  
Wood ..... 230 ToughKote Primer

### FILM DEVELOPMENT:

Optimum dry film thickness is 1.5 mils per coat. Use one coat over primed or previously painted surfaces, two or more coats over bare metal. However, without reduction it is difficult to apply VOC compliant alkyds that thin. Typical, acceptable DFTs range between 1.75 and 2.0 mils. Maximum recommended wet film thickness is 4 wet mils unreduced or 2 mils DFT. Thicker films surface dry, are less durable and have no benefit. Unreduced, **Bakote Superchrome** applied at 525 sq.ft./gal. over smooth, sealed surfaces will produce a 1.50 mil DFT and allow for 3% waste (1.75 mils DFT = 450 sq.ft./gal.).

**RECOMMENDED THINNING:** ..... Not required

### Maximum Thinning Allowed By Regulation:

500 g/l ..... None

**Thinner:** ..... Xylene  
In unregulated areas a 0 – 15% reduction with mineral spirits is recommended for brushing. A 15 to 25% reduction with xylene is recommended for conventional or HVLP spray. VOC regulations vary by state and county. Contact Triangle representatives directly for guidelines and recommendations.

### APPLICATION:

**Bakote Superchrome** is designed for brush and spray application. Rolling will produce a roller texture and may cause bubbling. Mitts are recommended for pipes. Where brushing is required, the use of Chinese bristle brushes will hold the most paint, drip less and apply a smoother finish. Apply as necessary for complete coverage and finish with light vertical strokes. Use airless spray for large surface maintenance, and conventional, HVLP or air assist airless for shop finishing. HVLP or conventional for field finishing. NIOSH respirators, hoods and gloves are recommended when spraying.

**Airless:** 1/3 gpm pumps or larger; .013 – .015 tips.  
**Air Assist Airless:** Maximum fluid pressure possible to 2,000 psi; .011" tip and air pressure as necessary to eliminate tails or orange peel.  
**HVLP:** .040" – .055" fluid nozzles (1.0 – 1.4 mm), fluid, pressure as needed for 6" stream without air cap, air to gun 60 – 80 psi and 16 – 18 CFM, air cap pressure, 10 psi.  
**Conventional Spray:** Fluid nozzle .040" – .050"; air cap appropriate for available air, feed (pressure or siphon) and spray viscosity. Typical psi with pressure feed. 20 – 40 fluid, 60 – 80 air.

**CLEANUP:** ..... AT17 Wash Thinner  
Rinse with mineral spirits. Xylene or lacquer thinner can be substituted for AT17.

## SAFETY AND HANDLING

**FLASH POINT:** [setaflash] ..... 108° F. (43° C.)

**SHIPPING DESCRIPTION:** [CFR 49].

**Domestic Ground:** ..... Not regulated

**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

(08/13/02)

**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.