

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 on 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.
Touch	3 hrs _i	2 hrs _i	50 mins _i	40 mins _i
Touch	5 hrs _i	3 hrs _i	1½ hrs _i	1¼ hrs _i
Recoat	24 hrs _i	12 hrs _i	6 hrs _i	4 hrs _i
Hard Cure	48 hrs _i	30 hrs _i	24 hrs _i	24 hrs _i

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.

TRIANGLE COATINGS, INC.

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TRIANGLE™



Bakote Sperchrome™

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:

Reference Tech Advisory 1 & 3 for a complete review of recommended primers and options.

Iron & Steel 903 Bakote Primer
Galvanized 938 AquaMAX Primer
Wood 292 Apex 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: \geq 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

(11/09/00)

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