



# CHROME ALUMINUM SERIES 43-36

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Alkyd Aluminum

**COMMON USAGE** Metallic aluminum finish for protection against weather, heat and mild industrial fumes. Used on primed or previously-painted carbon and galvanized steel: tank exteriors, piping, equipment and structures. Not for use on surfaces that are continually wet or sweat frequently.

**COLORS** Aluminum

**FINISH** Low sheen

## COATING SYSTEM

**PRIMERS** **Steel:** Series 4, 37H  
**Galvanized Steel and Non-Ferrous Metal:** Series 27. **Note:** Apply an intermediate coat of Series 27 or scarify the surface of Series 27 that has been exterior exposed for 3 weeks or longer prior to topcoating with 43-36. Brush blasting with fine abrasive is the preferred method of scarification.

## SURFACE PREPARATION

**ALL SURFACES** Must be clean, dry and free of oil, grease and other contaminants. Remove rust and paint not tightly bonded. Spot prime. Those surfaces operating between 200°F (93°C) and 450°F (232°C) should be spot primed with 43-36 and cleaned according to SSPC-SP11 Power Tool Cleaning to Bare Metal.

## TECHNICAL DATA

**VOLUME SOLIDS** 37.0 ± 2.0%

**RECOMMENDED DFT** 1.0 to 1.5 mils (25 to 40 microns) per coat. **Note:** Number of coats required will vary depending on exposure conditions and other variables. Contact your Tnemec representative.

**CURING TIME**

Temperature	To Touch	To Handle	To Recoat
75°F (24°C)	2 hours	16 hours	24 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.

**VOLITILE ORGANIC COMPOUNDS**

**Unthinned:** 4.09 lbs/gallon (490 grams/litre)  
**Thinned 3.5%:** 4.17 lbs/gallon (499 grams/litre)

**THEORETICAL COVERAGE**

593 mil sq ft/gal (14.55 m<sup>2</sup>/L at 25 microns). See APPLICATION for coverage rates.

**NUMBER OF COMPONENTS**

One

**PACKAGING**

55 gallon (208.2L) drums, 5 gallon (18.9L) pails and 1 gallon (3.79L) cans.

**NET WEIGHT PER GALLON**

7.80 ± 0.25 lbs (3.54 ± .11 kg)

**STORAGE TEMPERATURE**

Minimum 20°F (-7°C) Maximum 110°F (43°C)

**TEMPERATURE RESISTANCE**

(Dry) Continuous 450°F (232°C) Intermittent 450°F (232°C)

**SHELF LIFE**

24 months at recommended storage temperature.

**FLASH POINT - SETA**

102°F (32°C)

**HEALTH & SAFETY**

Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. **Keep out of the reach of children.**

## APPLICATION

**COVERAGE RATES**

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Suggested	1.0 (25)	3.0 (75)	593 (55.1)
Minimum	1.0 (25)	3.0 (75)	593 (55.1)
Maximum	1.5 (40)	4.0 (100)	395 (36.7)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

**MIXING**

Stir thoroughly, making sure no pigment remains on the bottom of the can.

**THINNING**

Use No. 1 Thinner or mineral spirits. For air spray, thin up to 3.5% or 1/4 pint (132 mL) per gallon. No thinning is required for airless spray, brush or roller.

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**APPLICATION EQUIPMENT**

**Air Spray**

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss MBC or JGA	E	765 or 78	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	60-80 psi (4.2-5.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

**Airless Spray**

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.013"-0.017" (330-430 microns)	1800-3000 psi (124-207 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60 mesh (250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

**Roller:** Use 1/4" or 3/8" (6.4 mm or 9.5 mm) high quality synthetic nap covers.

**Brush:** Use high quality natural or synthetic bristle brushes.

**SURFACE TEMPERATURE**

Minimum 40°F (4°C) Maximum 120°F (49°C)  
The surface should be dry and at least 5°F (3°C) above the dew point.

**CLEANUP**

Flush and clean all equipment immediately after use with the recommended thinner or mineral spirits.

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