

1600 SYSTEM
MULTI-PURPOSE ENAMEL AEROSOL**DESCRIPTION AND USES**

Industrial Choice® 1600 System Sprays are fast-dry, multi-purpose, modified alkyd enamel aerosols for everyday indoor/outdoor industrial applications. The improved formulation features a new spray anywhere valve and has higher solids for increased coverage. These enamel sprays dry in twelve minutes or less and provide excellent performance for both interior and exterior general purpose applications. They provide better solvent resistance and higher gloss than lacquer-based aerosol finishes. Not for use on galvanized steel.

Galvanizing aerosols are zinc-rich coatings that provide maximum corrosion resistance through galvanic protection. Use for touch-up and repair to damaged galvanized steel, production welds, galvanized ducts, storage tanks, fences, gutters, trucks, trailers, off-shore drilling rigs, utility towers, and more. Do not topcoat with an alkyd finish.

PRODUCTS**PRIMERS**

257400	Black Primer
1667830	Red Primer
1680830	Gray Primer
1681830	White Primer

ENAMELS (FLAT & GLOSS FINISHES)

202211	Machine Green
202212	Sun Yellow
202214	Machinery Gray
202216	Dusty Pink
214644	Electric Green
214645	ANSI 61 Light Gray
214646	ANSI 49 Medium Light Gray
214647	ANSI 70 Light Gray
257399	Purple
257401	Emerald Green
257402	Semi-Gloss White
1610830	Crystal Clear
1614830	Dull Aluminum
1622830	Regal Blue
1624830	OSHA Safety Blue
1626830	True Blue
1633830	OSHA Safety Green
1638830	Hunter Green
1643830	School Bus Yellow

PRODUCTS (cont.)

1644830	OSHA Safety Yellow
1653830	OSHA Safety Orange
1660830	OSHA Safety Red
1664830	Cherry Red
1666830	Banner Red
1670830	OSHA Safety Purple
1671830	Beige
1672830	Almond
1674830	Leather Brown
1676830	Ultra-Flat Black
1678830	Semi-Flat Black
1679830	Gloss Black
1684830	Dove Gray
1686830	Universal Gray
1688830	Smoke Gray
1690830	Flat White
1692830	Gloss White
1696830	Antique White
1632830	Fluorescent Green
1642830	Fluorescent Yellow
1654830	Fluorescent Orange
1655830	Fluorescent Red-Orange
1659830	Fluorescent Pink

GALVANIZING

1685830	Cold Galvanizing Compound
244305	Bright Galvanizing Compound

METALLIC

242657	Bronze
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PACKAGING

6 aerosols (16 fl. oz. container, 12 oz. weight fill) per carton.
Galvanizing aerosols: 6 aerosols (16 fl. oz. container, 14 oz. weight fill) per carton. 242657: 6 aerosols (16 fl. oz. container, 11 oz. weight fill) per carton.

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/ Degreaser item #3599402, commercial detergent or other suitable cleaner. Rinse immediately and thoroughly and allow to fully dry. Thoroughly cured, hard or gloss previous coatings which are very smooth may require scuff sanding to maximize adhesion. This coating may not be compatible with some types of plastics. It is strongly suggested a small test patch be done before applying to any plastic. Also, some plastics, like polycarbonate, are never to be painted. Consult with the manufacture.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, mill scale, and deteriorated previous coatings. For best results, use Red Primer on sound rusted or clean metal before the application of a finish coat or intermediate primer.

GALVANIZED STEEL: New galvanized steel may contain a surface wax or oil from the fabricator. This must be removed with Pure Strength® Cleaner/Degreaser (#3599402), commercial detergent or other suitable cleaner. **NOTE:** Only the Galvanizing Compounds are to be used on galvanized steel. Do not use any other of the 1600 System Primers or Finish Colors.

WEATHERED GALVANIZED STEEL: Remove loose rust and stains by hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) prior to application of the Cold Galvanizing Compound.

APPLICATION

Use when temperature is above 50°F (10°C) and humidity is below 85% to ensure proper drying. Surface temperature must be between 50-100°F (10-38°C). Use a primer on bare or rusted surfaces. Protect surrounding surfaces from overspray. Overspray can carry a significant distance. Shake can for one minute after mixing ball is heard. Hold can 10-14" from surface. Apply several light coats a few minutes apart to avoid drips and runs. This aerosol will spray in any position or angle, including upside down. Recoat within 1 hour or after 24 hours; allow more time in cooler temperatures. If clogged, remove tip and clean in thinner. Do not insert any object into can valve opening. Properly discard empty container. Do not burn or place in trash compactor. Empty container can be recycled.

PHYSICAL PROPERTIES

		FLAT ENAMELS & PRIMERS	GLOSS FINISHES	GALVANIZING*
Resin Type		Modified	Modified alkyd	Epoxy ester
Pigment Type		Varies	Varies	1685830 contains 93% zinc in the dry film 244305 contains greater than 65% zinc in the dry film (also contains aluminum)
Volatile Organic Compounds		<60% by weight	Finishes: <65% by weight Metallics: <80% by weight	<60% by weight
MIR		Maximum value of 1.2	Finishes: Max. value of 1.4 Metallics: Max. value of 1.9	Maximum value of 1.2
Fill Weight		12 oz.	Finishes: 12 oz. Metallics: 11 oz.	14 oz.
Recommended Dry Film Thickness Per Coat		1-2 mils (25-50 μ)	1-2 mils (25-50 μ)	1-2 mils (25-50 μ)
Theoretical Coverage @ 1mil DFT (25μ) per Container		Up to 24 sq. ft.	Up to 24 sq. ft.	Up to 24 sq. ft.
Practical Coverage at Recommended DFT[†]		Approximately 22 sq. ft. (2 m ²)	Approximately 22 sq. ft. (2 m ²)	Approximately 22 sq. ft. (2 m ²)
Dry Times at 70°F (21°C) and 50% Relative Humidity	Tack-free	12 minutes	12 minutes	10-20 minutes
	Handle	1 hour	1 hour	1-2 hours
	Recoat	Within 1 hour or after 24 hours	Within 1 hour or after 24 hours	Within 1 hour or after 24 hours
Dry Heat Resistance		200°F (93°C)**	200°F (93°C)**	200°F (93°C)**
Shelf Life		5 years	5 years	5 years
Specifications	Can be used in USDA-regulated facilities based on FSIS Directive 11,000.4 (Rev. 4), November 24, 1995. Galvanized products are Agriculture Canada accepted.			
Safety Information	Contains	Acetone, xylene, toluene (fluorescents contain hexane) and liquefied petroleum gas propellant		
	Warning!	<p>THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.</p> <p>DANGER! EXTREMELY FLAMMABLE. MAY CAUSE FLASH FIRE. CONTENTS UNDER PRESSURE. VAPOR HARMFUL. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. REFER TO MATERIAL SAFETY DATA SHEET AND LITHOGRAPHED CANS FOR MORE COMPLETE SAFETY INFORMATION.</p>		

*Do not topcoat galvanizing compounds with an alkyd finish.

**Some discoloration may occur at temperatures above 150°F (65°C).

[†]Actual coverage with complete hiding. Coverage may vary with color and substrate.

The coverage rate can be optimized if applied over the white or gray primer.

Calculated values are shown and may vary slightly from the actual manufactured material.

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