



product
information

A-4100 SERIES
ACRYLIC AEROSOL

INDUSTRIAL FINISHES

Cardinal's A-4100 series is a acrylic enamel aerosol touch-up coating. It is designed for touch-up and repair of previously coated surfaces. This coating is classified as "exact match finish: industrial" by CARB (California Air Resources Board), and meets current limits for this category as well as the final limits that took effect on Dec. 31, 1999.

TYPICAL USES:

- Touch - up for:
- Business machines
 - Decorative metal
 - Over high solid polyurethane
 - Over industrial waterbase enamels
 - Over powder coatings
 - Marking and identification
 - Selected plastics

BENEFITS:

- Suitable for exterior applications
- Fast dry
- Low VOC content
- Easy to apply

CURED FILM PROPERTIES:

Unless otherwise indicated, testing conducted on gloss white on CRS.

TEST	METHOD	PARAMETERS	RESULT
Adhesion	ASTM D3359	Cross-hatch tape	0% loss
Impact	ASTM D2794	Direct	20 in. lbs
Flexibility	ASTM D1737	¼" mandrel	No cracking
Hardness	ASTM D3363	HB - H	F pencil
Solvent Resistance	ASTM D4752	IPA 30 rubs	No effect

TROUBLE SHOOTING:

PROBLEM	CAUSE	REMEDY
Bubbles and blisters	Gas entrapment	Hold can further away from part while applying.
Paint spatter	Spray tip obstructed	Remove spray button and clean orifice with fine wire. Clean with lacquer thinner.
Runs and sags	Paint too wet	Hold can further away from part while applying. Speed up rate of application.
Dry spray	Paint too dry	Hold can closer to part while applying. Slow down rate of application.

PRODUCT IDENTIFICATION

A-4108-11350 (example)
 _____ Color number
 _____ Gloss: 0 = flat; 1 = 10°; 2 = 20° . . . etc.; 70° - 80°+ = high gloss
 _____ Special: eg., 2 = metallic; 4 = texture; 6 = primer; 7 = clear
 _____ Product type

**FOR INDUSTRIAL USE ONLY
NOT FOR RESIDENTIAL USE**

TYPE: Acrylic enamel

COMPONENTS: One

COLORS: Full range including Fed. Std. 595b.

GLOSS: High (70 – 80 max.), semi and flat.

MINIMUM ORDER: 20 aerosol cans (net weight 12 oz./can)

COVERAGE: 30 - 40 sq.ft.per can at DFT 0.5 mil. with no loss.

VOC CONTENT BY WEIGHT: Less than 60%.
Meets California Health and Safety Code Title 22, sec. 94522(a)(1) Exact Match Finishes; Industrial-88% maximum.

VOLUME SOLIDS: 7 – 8%

FLASH POINT: -154°F TCC

SHELF LIFE: 6 months from date of manufacture on the unused aerosol can.

DIRECTIONS FOR USE: Check color and gloss for adequacy on scrap material prior to production. Surfaces to be sprayed must be clean and dry. Shake can vigorously for 2 minutes before using and occasionally during use. Remove metal cap and spray by depressing plastic spray head button. Spray at 14 to 24 inches from surface to be coated, using short bursts for best results. Several light coats are better than a single heavy coat. If paint runs, can is to close or finish is being applied too heavily. Blend spot being touched-up by feathering finish to light coating at edge of area.

RECOMMENDED FILM THICKNESS: 0.5 – 1.0 mils

CURE:

	<u>Air Dry</u>
Tack free	10 min.
Dry to handle	30 min.
Dry hard	2 hrs.

(At 1.5 mils dry film thickness, 78° F, 50% RH)

CLEAN-UP: After spraying, turn can upside down. Push button about 2 seconds or until paint in siphon tube is exhausted. Remove plastic spray head and run fine wire through spray orifice or hole. If necessary, clean head with lacquer thinner.

PRODUCT LIMITATIONS:

- For industrial use only.
- For touch-up and repair use.
- Do not use near flame or electrical sparks.
- Avoid storage above 100°F or below 45°F.

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Safety: Contains organic solvents. Use with adequate ventilation - do not breath vapors or spray mists. If component TLVs are exceeded, a NIOSH approved air supplied respirator is advised. See MSDS for TLV information.

Contents are extremely FLAMMABLE and are under PRESSURE. Do not puncture or incinerate. Keep from heat, sparks or open flame. Exposure to heat may cause bursting.

Allergic reactions are possible. Avoid use by persons with respiratory problems.

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

FIRST AID:

Eye contact, flush immediately with plenty of water for at least 15 min. and get medical attention.

Skin contact.; wash thoroughly with soap and water for 5 minutes.

If swallowed, do not induce vomiting and get medical attention immediately.

Inhalation, remove to fresh air.

RELATED PRODUCTS:

PRODUCT NO.	DESCRIPTION
A-2000 Series	Lacquer aerosol

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