



product  
information

## A-4100-SERIES ACRYLIC AEROSOL

Cardinal's A-4100-SERIES is an 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
- RoHS – WEEE compliant

### 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	1/4" mandrel	No cracking
Hardness	ASTM D3363	HB - H	F pencil

### 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-410X - SERIES** (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:** All.

**GLOSS:** 0 - 70 degs.

**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:** 1 year from date of manufacture on the unused aerosol can.

**DIRECTIONS FOR USE:** Check color and gloss for adequacy on scrap material prior to production. Check adhesion to substrate, scuff sanding and \*solvent wipe may be required. 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 too close or finish is being applied too heavily. Blend spot being touched-up by feathering finish to light coating at edge of area.

\* Solvent cleaning emissions may be limited in your area. Check with your local Air Quality board.

**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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NO WARRANTY EXPRESSED OR IMPLIED, ACCEPTABILITY TO BE DETERMINED BY USER, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

**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 SDS 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

IMPORTANT: Warranty and Disclaimer — The performance characteristics of these products vary according to product application, operating conditions, materials applied to or with and use. Since these factors can affect results, we strongly recommend that you make your own test to determine to your satisfaction whether the product is of acceptable quality, has not been affected by storage or transport and is suitable for your particular purpose under your own operation conditions prior to using any product in full scale production. Seller warrants the products to be free from defects in materials and workmanship. SUCH WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. No representative of ours has authority to waive or change this provision, which applies to all sales of these products.