



product
information

A-6S00-SERIES
SPECIAL ACRYLIC POLYURETHANE
AEROSOL

Cardinal's A-6S00-SERIES is a two component low VOC solvent borne Acrylic Polyurethane Aerosol. The A-6S00-SERIES has chemical resistance, flexibility, abrasion resistance and excellent weathering are key properties. This product is formulated to meet the most stringent VOC regulations.

TYPICAL USES:

- For use on plastics and metals
- Outdoor applications
- General Industrial

BENEFITS:

- Excellent chemical and solvent resistance
- Excellent Weathering
- RoHS / WEEE compliant

PHYSICAL PROPERTIES: All testing conducted on primer sanded Aluminum and steel panels that were air dried for seven days at 75F@50%RH.

TEST	METHOD	PARAMETERS	RESULT
Hardness	ASTM D3363	Pencil	2H
Abrasion	ASTM D4060	CS 17, 2 Kg, 1000 Cycles	Less than 100 mg
Adhesion	ASTM D3359	Cross-hatch tape	0% failure
Flexibility	ASTM D1737	1/8" mandrel	No cracking
Salt Spray	ASTM B117	2000 hours	No effect
UV Resistance	ASTM G53	2000 hours QUV A	> 90% gloss retention
Impact	ASTM D2794	Direct Reverse	140 Direct, 80 Reverse
Humidity	ASTM D2247	500 hours	No effect
Solvent Resistance		MEK 100 rubs	No effect
		IPA 200 rubs	No effect
Chemical & Stain Resistance	ASTM D1308 30 min. spot	A – IPA, hydrogen peroxide, 409®, toluene, hydrochloric acid, textile spirits, amyl acetate, trichloroethylene, methanol, ethylene dichloride, lacquer thinner, xylene, ethanol, ammonia, tap water, Lanolin lotion, coffee, tea.	
		B – Acetone, MEK.	
		A: No effect	C – 50% sulfuric acid, 2.5N sodium hydroxide
		B: Slight dulling	
		C: Moderate effect	
	D: Discolored & softened		

APPLICATION CONDITIONS:

- Temperature- Apply coating within the range 55-100 F
- Relative Humidity- not recommended to apply in conditions greater than 85%
- Substrate temperature- 5° above the dew point and a minimum of 55°F

If coating is not applied within these conditions then the cured coating properties may be representative.

SHELF LIFE: 6 months from date of manufacture in factory sealed container.

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

TYPE: Solvent based Acrylic Polyurethane.

COMPONENTS: Two.

COLOR: Full range and metallic's

GLOSS: Flat, semi and gloss.

COVERAGE: At 1.0 mil DFT, 65% transfer efficiency(TE)

Mixed paint, 5.4 lbs/gal : 90 ft²/gal.
Calculation: 1604 ft²/gal x % volume solids x TE ÷ DFT

VOC MIXED:

652 grams/liter = 5.4 lbs/gal excluding exempt.
451 grams/liter = 3.8 lbs/gal including exempt.

VOLUME SOLIDS AS APPLIED:9%

FLASH POINT: -42 °F TCC

VISCOSITY: N/A.

SPRAY-ABLE POT LIFE: 4-6 hours

RECOMMENDED DFT: 1.0 – 3.0 mils

Flash Time / Recoat: 5 -7 minutes @ 80 deg. F

CLEAN-UP: Clean up should be done as soon as possible. Air quality regulations may limit allowable emissions from cleaning operations.

PRODUCT LIMITATIONS:

- For industrial use only.

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. 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.

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