

TECHNICAL DATA

Desoprime™ HS Military Epoxy Primer Chrome Free CA7222

Description

Desoprime™ HS Military Epoxy Primer Chrome Free CA 7222 primer is a VOC compliant, corrosion, chemical, and solvent resistant, epoxy primer designed for use on the exterior or interior of aircraft. This next generation chrome free primer utilizes a proprietary corrosion inhibitive package, has excellent adhesion to a variety of substrates, and provides long pot life (application life) and short dry time.

CA 7222 primer is compatible with all current spray equipment and is easy to apply in a variety of environmental conditions, including high temperature and humidity. CA 7222 primer can be easily removed with chemical paint strippers or with bead blasting.

CA 7222 primer is compatible with the following topcoats:

- AIMS 04-04-013
- BAMS 565-009
- BMS 10-60
- BMS 10-72
- DMS 2115
- DPM 6456
- MMS 420
- PS 13555

Application Properties (Typical)

Application temperature	55°F– 95°F (13°C to 35°C)
Application humidity	20% – 85% R.H.
Mix ratio (by volume)**	
CA 7222A (base)	1 part
CA 7222B (activator)	1 part

**Requires 30 minutes minimum induction time prior to application

Note: As temperature increases, pot life decreases and as temperature decreases, dry times increases.

Viscosity, #4 Ford cup @ 75°F (24°C), 50% R.H.

Initial mix	30 seconds max.
Pot life, 4 hours	40 seconds max.

VOC, EPA method 24 340 g/l, max

Dry film density 0.009043 lbs/ft² @ 1 mil dry film
(44 g/m² @ 25 microns dry film)

Theoretical coverage 699 ft²/gal @ 1 mil dry film
(17 m²/l @ 25 microns dry film)

Recommended dry film thickness 0.6 – 0.9 mils
(15 – 23 microns)

Cure Properties @ 75°F (24°C), 50% R.H.

Dust free	30 minutes, min.
Tack free	60 minutes, min.
Dry to tape	2 hours, min.
Dry to topcoat	2 hours, min.
Dry to fly @ 75°F (24°C)	72 hours
Dry to fly @ 85°F (29.4°C)	48 hours
Final cure	7 days

Accelerated cure:

Allow 30 minutes flash off at 75° ± 10°F
(24°C ± 5.6°C) followed by 1 hour at 120°F
(49°C).

Spray equipment

Compatible with all forms of spray equipment

Appearance/Color Gray

Shelf life

12 months from date of manufacture

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Performance Properties (Typical)

Service temperature	-65°F to 350°F (-54°C to 176.7°C)
Pencil Hardness	2H
Impact resistance (Gardner) No loss of adhesion or cracking at 40 inch-pounds	Conforms
Fluid Resistance D.I. Water, 7 days immersion No blisters or loss of adhesion	Conforms
Corrosion Resistance Salt fog, 3000 hours No blisters or loss of adhesion Filiform Corrosion, 30 days No blisters or loss of adhesion	Conforms Conforms
Resistance to Temperature Shock 24 cycles between 160°F to -65°F (71°C to -54°C) No cracking, blistering or loss of adhesion	Conforms
Rain Erosion Resistance (Whirling Arm Test) 385 mph with 3"– 4" per hour water spray, 30 minutes with no adhesion loss	Conforms

Note: The application and performance property values above are typical for the material, but not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

Storage Life

Inspect the condition of the container to ensure compliance to FED-STD-141, Method 3011.1. The material should be stored at temperatures between 40°F to 115°F (4.4°C to 46.1°C) to ensure shelf life.

Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

**Additional information can be found at:
www.ppgaerospace.com**

**For sales and ordering information call
1-800-AEROMIX (237-6649).**

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