

Desoprime™ HS CA 7700/CA 7755 (with “BE” activator)

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Desoprime™ CA 7700 series epoxy primers are designed for use on aircraft exterior and/or detail parts (components). These high solids, two component primers have excellent adhesion to a variety of substrates and exhibit a high degree of Skydrol® resistance. These primers are easy to apply in a wide range of environmental conditions, including high temperature and humidity and can be easily removed with chemical paint strippers or with bead blasting.

CA 7700 series primers have been tested to the following specifications:

- BMS 10-72
- BMS 10-79
- MEP 10-068

CA 7700 series primers are compatible with the following topcoats:

- AIMS 04-04-013
- BMS 10-60
- CMS 565-09
- DPM 6456
- MIL-PRF-85285
- DMS 2115

Application properties

Application temperature	55°F to 95°F (13°C to 35°C)
Application humidity	15% to 85% R.H.
Mix ratio (by volume)	
CA 7700A or CA 7755A (base)	1 part
CA 7700BE or CA 7755BE (activator)	1 part

Note: Induction time and pot life are temperature dependent. Please refer to CA 7700 Application guide for further details.

Viscosity, #2 Signature Zahn cup @ 75°F (24°C), 50% R.H.	
Initial mix	15 – 19 seconds
Pot life, 3 hours	22 – 30 seconds
VOC, EPA method 24	350 g/l, max

Note: Contains exempt solvents

Dry film density	0.009 lbs/ft ² @ 1 mil dry film (44.0 g/m ² @ 25 microns dry film)
Theoretical coverage	722 ft ² /gal @ 1 mil dry film (17.7 m ² /l @ 25 microns dry film)
Recommended dry film thickness	0.4 to 1.2 mils (10 – 30 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)	48 hours
Dry-to-fly @ 85°F (29°C)	24 hours
Full cure	7 days

Accelerated cure

Allow 30 minutes flash off at 75° ± 10°F (24°C ± 5.6°C) followed by 30 minutes at 120°F (49°C) for dry to topcoat.

Spray equipment

Compatible with all forms of spray equipment. The “BE” activator is specifically designed for improved electrostatic applications.

Appearance

CA 7700	Yellow
CA 7755	Green

Shelf life 12 months from date of manufacture

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Typical performance properties

Service temperature	-65°F to 350°F (-54°C to 177°C)
Pencil hardness	2H
Impact resistance (Gardner)	No loss of adhesion or cracking at 40 inch-pounds
BMS 3-11, 30 days immersion	4H, no visible film defects
Fluid resistance	D.I. Water, 7 days immersion No blisters or loss of adhesion
Corrosion resistance	Salt fog 3000 hours - No blisters or loss of adhesion
Filiform corrosion, 30 days	No blisters or corrosion or loss of adhesion beyond 1/8” from scribe
Resistance to temperature shock	24 cycles between 160°F to -65°F (71°C to -54°C) No cracking, blistering or loss of adhesion
Rain erosion resistance (Whirling arm test)	385 mph with 3 - 4-inch per hour water spray for 30 minutes No peeling beyond 1/4-inch from paint leading edge

Note: The application and performance property values above are typical for the material, but not intended for use in specification or 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°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 PRC-DeSoto International “Safe Handling Guide” for aerospace coatings and the Material Safety Data Sheet (MSDS), which provide information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS and the Safe Handling Guide are available on request. Avoid overexposure. All mixing and spraying must be conducted with adequate ventilation and proper personal protective equipment as recommended. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

**For emergency medical information call
1-651-632-9265 (from anywhere globally) or
1-800-228-5635 (from within the USA and Canada only).**

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

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.