

## Desothane® HS buffable clear topcoat/CA 8800/B900

### Description

CA 8800/B900 is a VOC compliant, highly durable polyurethane, chemically cured topcoat used to protect the exterior of aircraft. It is designed to be applied over high solids, pigmented polyurethane topcoats (CA 8000 or 8800 series) to provide maximum performance.

CA 8800/B900 has demonstrated excellent buffability and durability against weathering while maintaining a high gloss. It is easy to apply in a variety of environmental conditions including high temperatures and humidity. CA8800/B9800 is compatible with all current spray equipment. For further details on application parameters, contact PRC-DeSoto International Engineering Services at 1-800-772-9378 or your local sales representative.

CA 8800/B900 has been tested to the following OEM specifications:

- BMS 10-72

CA 8800/B900 is compatible with the following pigmented polyurethane topcoat specifications:

- BMS 10-60 Type II, Class B, Grade D
- BMS 10-72 Type VIII
- CMS 565-09
- DHMS C4.04

### Application properties (typical)

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#### Volatile organic compound (VOC)

EPA method 24, mixed system 420 g/l max.

#### Mix ratio (by volume)

##### Gloss

Base (CA 8800/B900)	2 parts
Activator (CA 8800Z)	1 part
Thinner * (CA 8800F)	1 part

\*Thinner available in four types:

CA 8800F, CA 8800F1, CA 8800F2,  
CA 8800F3, CA 8800F4

#### Viscosity, Zahn #2 cup

##### Fresh mixed

@ 70°F (with CA 8800F thinner) 16 to 20 sec.

##### Pot life

3 hours @ 70°F (with CA 8800F thinner)

17 to 22 sec.

Drying times, 77°F ± 10°F (19 to 30.5°C)

50% relative humidity with CA 8800F thinner

Dry to tape 9 to 11 hours

Dry to fly 48 hours

Full cure 7 days

#### Dry film density

0.0059 lbs/ft<sup>2</sup> @ 1.0 mil

dry film (29 g/m @ 25 microns dry film)

#### Theoretical coverage

801 ± 50 ft<sup>2</sup>/gal @ 1.0 mil

dry film (19.7 ± 1.23 m<sup>2</sup>/l @ 25 microns dry film)

#### Recommended dry film thickness

2.0 to 3.0 mils (50 to 75 microns)

#### Spray equipment

Compatible with all forms of spray equipment

#### Color

BAC 900 clear

#### Shelf life

24 months from date of manufacture

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## Desothane® HS buffable clear topcoat/CA 8800/B900

Performance properties (typical)

The following tests are in accordance with BMS 10-72 type VIII specification test methods

Service temperature

-65°F to 350°F (-54°C to 177°C)

Pencil hardness

HB minimum 2H

Low temperature flexibility

Conical mandrel no adhesion failure, cracking or flaking

Impact resistance

No cracking or loss of adhesion at 80 inch pounds forward and reverse

Fluid resistance

Distilled H<sub>2</sub>O, 170 hours no blistering

BMS 3-11, 30 days immersion H pencil

MIL-L-7808 jet engine oil, 14 days immersion H pencil

TT-S-735 Type III test fluid, 14 days immersion H pencil

Corrosion resistance

Salt spray, 3000 hours, no film failure Passes

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 100°F (4.4°C to 37.8°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 1-800-228-5635.

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

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