

Desothane[®] HS CA8000/B900B Decal Edge Seal

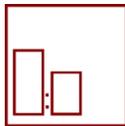
TECHNICAL DATA SHEET

Product Description

Desothane[®] HS CA8000/B900B decal edge seal is a brushable modified clear polyurethane, rapid cure, coating used in high erosion areas. CA8000/B900B is compatible with release agents on decals.

- Improves the erosion resistance
- Excellent adhesion and fluid resistance
- Can be brush applied in a wide range of environmental conditions
- Excellent exterior durability
- Smooth appearance
- Service temperature -54°C to 177°C (-65°F to 350°F)

Components



Mix ratio (by volume):

- CA8000/B900B (base component) 3 parts
- CA8000B (activator component) 2 parts

Specifications



CA8000/B900B edge seal is listed on the following process standard:

- BAC 5312
- PWA 567 Type 2

Note: PPG Aerospace recommends you check the most recent specification QPL and process standard for updated information.

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Product Compatibility:

CA8000/B900B edge seal is compatible with the following pigmented topcoats:

- AIMS 04-04-012
- AIMS 04-04-013
- AIMS 04-04-024
- AIMS 04-04-031
- AIMS 04-04-032
- AIMS 04-04-036
- AMS 3095
- BAMS 565-002 Class A Grade B
- BAMS 565-009 Type II Class A Grade B
- BMS 10-60 Type I & II Class B Grade D
- BMS 10-72 Type VIII
- BMS 10-125
- BMS 10-126 Type I Grade D
- CMFS037
- CMS-CT-101 Type I
- D-12-003-01/SF-001
- DHMS C4.04 Type VI Class B Grade B
- DMS 2115 Type I
- DMS 2143 Type 1 Class 1 Composition C
- DPM 6456
- DPM 6546
- EMS 93123
- FEDEX STANDARD
- FMC 9661-01
- GAMPS 3209
- GC130N
- GP110AEE
- GP110AEF
- MEP 10-069
- MIL-PRF-85285 Type I & Type IV
- MM1276
- MMS 420
- MS100029E Class HS
- RMS 176
- RMS 430 Type II
- SMS-111207 Type 1
- VMS C4.04 Type VI Class B Grade B

Surface Preparation and Pretreatments



CA8000/B900B decal edge seal can be applied over clean, dry, intact urethane topcoats listed above. This clear coat may be applied over the pigmented topcoat with no abrasion step if the topcoat was applied between 2 and 48 hours before clear coating. If it is longer, then abrade the pigmented topcoat surface and clean up the surface with Desoclean[™] 110 solvent cleaner.

Instructions for Use



Mixing Instructions:

Prior to mixing, thoroughly stir the base component. Add the activator to the base component and stir well, maintain constant agitation for 10 minutes to ensure proper mixing.

Note: It is important to condition the paint for 24 hours prior to mixing by placing all materials in the shop or hangar, with ambient temperatures between 13° and 35°C (55° to 95°F). The minimum temperature of the paint components should be 13°C (55°F) prior to mixing.

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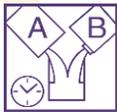
Induction Time:

Not Required



Viscosity:

The viscosity is appropriate for brushing when using specified mix ratio.



Pot Life:

45 minutes @ 21 - 25°C (70 - 77°F)

Application Guidelines

Recommended Application Conditions:

Temperature	15 - 30°C (59 - 86°F)
Relative Humidity	20 - 90%

Application:

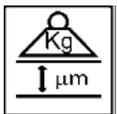
This coating is normally brushed, but it may be sprayed. When brushed it usually is applied in one coat. Likewise one medium coat is all that is needed if sprayed.

These application guidelines represent PPG's best advice in standard conditions. Some parameters will be influenced by environmental conditions, equipment settings, and other variables.



Theoretical Coverage:

26 square meters/liter at 25 microns dry film (955 square feet/gallon at 1 mil dry film).
Recommended dry film thickness; 25 to 50 microns (1.0 to 2.0 mils)



Dry Film Density:

1.16 grams/cubic centimeter (9.66 pounds/gallon)

Dry Film Weight:

29 grams/square meter at 25 microns dry film (0.0059 pounds/square feet at 1 mil dry film)

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Equipment:

CA8000/B900B edge coat is normally brush applied.

Equipment Cleaning:

Clean the brush as soon as possible after use. Flush spray equipment with DeSoto[®] CN20, DeSoto[®] CN44, or Desoclean[™] 45 high performance solvent cleaner.

Physical Properties (product)



Color: BAC 900 Clear



Gloss: 90+ G.U at 60°



Dry Time:

The dry time is 1 ½ hours at 25°C (77°F)

Note: The cure rate of CA8000/B900B edge seal is not affected by humidity.



VOC:

Mixed, ready for use VOC (EPA method 24)	350 grams/liter
Base Component	497 grams/liter
Activator Component	113 grams/liter



Flash point closed cup:

Base Component	29°C (84°F)
Activator Component	47°C (117°F)



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Shelf life:

12 months from date of manufacture to most OEM material specifications. Consult the specification to verify shelf life requirements.

24 months from date of manufacture for PRC-DeSoto Standard.

Note: Shelf life is provided for original, unopened containers.

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 Recommendations



Inspect the condition of the container to ensure compliance. The material should be stored at temperatures between 5°C to 35°C (41°F to 95°F) to ensure shelf life.

Note: When procuring to a qualified material specification, follow those storage instructions.



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Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An SDS 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 the local PPG office at the numbers listed below:

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