

# Desothane® HD CA9008B0900D Buffable Clear Coat

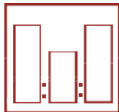
## TECHNICAL DATA SHEET

### Product Description

Desothane® HD CA9008B0900D is a buffable clear coat intended to be used over Desothane® HD CA9008 Basecoat. 9008B0900D can also be used as a buffable clear coat over pigmented polyurethane topcoats such as Desothane® HS CA8000 and CA8800.

- High solids, low VOC
- Flexible, chemical resistant polyurethane varnish
- Excellent UV durability, colour & gloss retention
- Easy to apply in a wide range of environmental conditions
- Extended service life
- Buffable and easy to clean

### Components



#### Mix Ratio (by volume)

- 9008B0900D (Base) 3 parts
- 9008B (Activator) 2 parts
- 9008CR (Standard Reducer) 3 parts
- or
- 9008CS (Summer Reducer)
- or
- 9008CTR (High Temperature Reducer >35°C)

### Specifications



CA9008B0900D is qualified to:

- AIMS 04-04-023
- AIMS 04-04-025
- AIMS 04-04-033
- AIMS 04-04-037
- AMS 3095

CA9008B0900D meets the performance requirements of:

- BMS 10-72

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## Product Compatibility

CA9008B0900D is compatible with the following topcoat/basecoat specifications:

- AIMS 04-04-025
- AIMS 04-04-031
- AIMS 04-04-032
- BAMS 565-002
- BAMS 565-009
- BMS 10-11
- BMS 10-60
- BMS 10-72
- BMS 10-79
- DMS 2014

*Note: PPG Aerospace recommends you check the most recent specification QPLs for updated information.*

## Surface Preparation and Pretreatment



Ensure surface is clean, dry and intact using a high performance solvent cleaner. DeSoto® CN20 or Desoclean™ 45 solvent cleaner are recommended. Observe recommended overcoating windows.

## Instructions for Use



Base component should be manually agitated only. Add activator to base component and stir well, then add reducer while stirring.

*Note: All products and components should be placed in ambient conditions of 15-30°C (59-86°F) for at least 24 hours prior to mixing and application.*



### Induction Time:

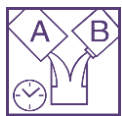
Not required



### Viscosity: ( 23°C/73°F)

- |          |                 |
|----------|-----------------|
| • AFNOR4 | 14 - 16 seconds |
| • BSB3   | 24 - 31 seconds |
| • BSB4   | 14 - 18 seconds |
| • FORD4  | 11 - 16 seconds |
| • ISO4   | 16 - 24 seconds |
| • ZAHN2  | 15 - 20 seconds |

*Note: Viscosities quoted are typical ranges obtained when using specified mix ratio.*



### Pot Life:

2 hours @ 21-25°C (70-77°F)



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## Application Guidelines

### Recommended Application Conditions:

Spray Gun	Reducer	Temperature	Relative Humidity
Pro XS3	9008CR	15° - 35°C (59°-95°F)	30% - 85%
LP Devilbiss	9008CR	15° - 28°C (59°-82°F)	30% - 85%
LP Devilbiss	9000CS	28° - 35°C (82°-95°F)	30% - 85%
Pro XS3	9008CTR	+ 35°C (95°F)	30% - 85%
LP Devilbiss	9008CTR	+ 35°C (95°F)	30% - 85%

### Application:

Apply one cross coat to achieve the recommended dry film thickness. Apply a second coat if necessary. See drying time table for inter-coat times.

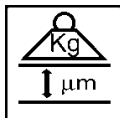


### Theoretical Coverage: (ready for use)

9 m<sup>2</sup>/Lt @ 50 µm dry film thickness  
360 ft<sup>2</sup>/US gal @ 2 mil dry film thickness

### Recommended Dry Film Thickness:

- 1 Coat: 25 - 30 µm (1 - 1.2 mil)
- 2 Coat: 50 - 70 µm (2 - 2.8 mil)



### Dry Film Density:

1.14 g/cm<sup>3</sup>  
9.6 lbs/US gal

### Dry Film Weight:

57 g/m<sup>2</sup> @ 50 µm dry film thickness  
0.011 lbs/ft<sup>2</sup> @ 2 mil dry film thickness

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

# Desothane<sup>®</sup> HD CA9008B0900D Buffable Clear Coat

## Equipment:



Equipment Type	Tip Size/Cap	Flow Rate	Pressure
Conventional Air Spray	1.4 - 1.5mm		43 - 73 psi 3 - 5 bar
Low Pressure Devilbiss	1.2mm		29 psi 2 bar
Low Pressure Electrostatic Pro XS3 or XS4	1.2mm / 480 or 477	280ml/min	73 - 58 psi 5 - 6 bar

## Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use. DeSoto<sup>®</sup> CN20, CN44 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended.

## Repair:

If the clear coat has to be repaired, abrade with 400 sand paper then Scotch-Brite<sup>™</sup>. Clean with Isopropyl Alcohol Cleaner to remove finger or adhesive marks. Finally clean with a tack rag prior to applying a further cross coat of the clearcoat.

## Physical Properties



### Colour:

Colourless



### Gloss:

>90 units with a 60° gloss meter (When applied over 9008 basecoat)

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Drying Time	With 9008CR	With 9008CS	With 9008CTR @ 35°C (95°F) 80% R.H.
	@ 23°C (73°F) 50% R.H.		
Time Between Coats	30 minutes - 2 hours		30 minutes - 1 hour
Dry to Tape	13 - 17 hours		6 - 8 hours
Full Cure	7 days		
9008 Basecoat Overcoat Times	Minimum 2 hours - Maximum 5 days		

*Note: Drying times listed above are dependent upon film thickness applied, air flow conditions and application technique.*

### Accelerated Cure:

15-30 minutes flash off, followed by 75 minutes at 60°C (140°F) for full cure.



### Special Note:

For aircraft re-painting a minimum period of 48 hours is recommended before flying.



### VOC: (ASTM)

Mixed ready for use	450-470 g/Lt
9008B0900D Base	340 g/Lt
9008B Activator	110 g/Lt
9008CR Reducer	800 g/Lt
9008CS Reducer	790 g/Lt
9008CTR Reducer	840 g/Lt



### Flash Point:

9008B0900D Base	22°C (72°F)
9008B Activator	47°C (166°F)
9008CR Reducer	23°C (73°F)
9008CS Reducer	38°C (100°F)
9008CTR Reducer	43°C (110°F)

### Shelf Life:

9008B0900D Base	24 months in original unopened container
9008B Activator	24 months in original unopened container
9008CR Reducer	24 months in original unopened container
9008CS Reducer	24 months in original unopened container
9008CTR Reducer	24 months in original unopened container

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*Note: Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.*

*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](http://www.ppgaerospace.com)**

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