



Desothane[®] HS CA8720M0900C HS Clear Coat Matt

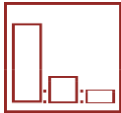
TECHNICAL DATA SHEET

Product Description

Desothane[®] HS CA8720M0900C is a transparent varnish from the Desothane[®] HS CA8000 range. Used for protection and decoration for aerospace applications, and to prevent reflection in the cockpit of aircraft.

- Low VOC
- Excellent gloss retention
- UV resistant
- Resistant to aircraft hydraulic fluids

Components



Mix Ratio (by volume)

- | | |
|-----------------------|----------|
| • CA8720M0900C (Base) | 3 parts |
| • CA8000B (Activator) | 1 part |
| • CA8000C2 (Reducer) | 0.5 part |

Specifications



CA8720M0900C is qualified to:

- AIMS 04-04-023

Product Compatibility

CA8720M0900C is compatible with the following primer/topcoat specifications:

- | | |
|------------------|------------------|
| • AIMS 04-04-001 | • AIMS 04-04-032 |
| • AIMS 04-04-002 | • BAMS 565-002 |
| • AIMS 04-04-012 | • BAMS 565-009 |
| • AIMS 04-04-013 | • BMS 10-60 |
| • AIMS 04-04-025 | • BMS 10-72 |
| • AIMS 04-04-031 | |

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 cleaners are recommended. Observe recommended overcoating window for previous coatings.

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Instructions for Use



Mechanically shake base for 10 minutes (plus a further 10 minutes if required) to ensure all components are uniformly mixed. Add the activator to the base and stir well. Then add reducer while stirring. **DO NOT ADJUST VISCOSITY.**

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:

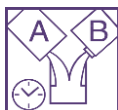
Not required



Viscosity: (23°C/73°F)

• AFNOR4	17 - 21 seconds
• BSB3	33 - 42 seconds
• BSB4	19 - 23 seconds
• FORD4	16 - 20 seconds
• ISO4	27 - 40 seconds
• ZAHN2	21 - 26 seconds

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



Pot Life:

1 hour @ 21 - 25°C (70 - 77°F) with CA8000C2 reducer

Application Guidelines

Recommended Application Conditions:

Temperature	15 - 35°C (59 - 95°F)
Relative Humidity	30 - 85%

Application:

Apply 2 cross coats to achieve the recommended dry film thickness 40 - 60 µm



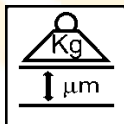
Theoretical Coverage: (ready for use)

10 m²/Lt @ 50 µm dry film thickness
400 ft²/US gal @ 2 mil dry film thickness

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Recommended Dry Film Thickness:

40 - 60 µm - In two coats
1.6 - 2.4 (mil)



Dry Film Density:

1.2 g/cm³
10.3 lbs/US gal

Dry Film Weight:

62 g/m² @ 50 µm dry film thickness
0.012 lbs/ft² @ 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.

Equipment:



Equipment Type	Tip Size (mm)	Flow Rate	Pressure
Airmix Kremlin		Not Recommended	
HVLP	1.2		22 to 29 psi (1.5 to 2 bar)
Conventional Air Spray	1.5		43 to 58 psi (3 to 4 bar)
Airless		Not Recommended	
Airless Air-assisted		Not Recommended	
PRO 3500 or Pro XS4	1.2 to 1.5	360 ml/min	58 to 87 psi (4 to 6 bar)

Equipment Cleaning:

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

Physical Properties



Colour:
Colourless



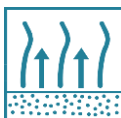
Gloss:
< 5 gloss units with a 60° gloss meter

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Drying Times @ 23°C (73°F) & 50% Relative Humidity	CA8000C2
Inter Coat	45 minutes
Dust Free	3 hours
Dry to Tape	4 hours
Full Cure	7 days

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



Flash Off Time:

Not Applicable



VOC: (ASTM)

Mixed ready for use	430 g/Lt
CA8720M0900C Base	480 g/Lt
CA8000B Activator	110 g/Lt
CA8000C2 Reducer	760 g/Lt



Flash Point:

CA8720M0900C Base	23°C (73°F)
CA8000B Activator	47°C (117°F)
CA8000C2 Reducer	22°C (72°F)

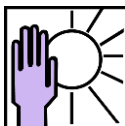
Shelf Life:

CA8720M0900C Base	24 months in original unopened container
CA8000B Activator	24 months in original unopened container
CA8000C2 Reducer	10 years in original unopened container

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

For sales and ordering information call the local PPG office at the numbers listed below:

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