



Desothane[®] HS CA8400/B900 Ceramic Clearcoat

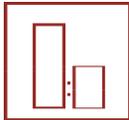
TECHNICAL DATA SHEET

Product Description

CA8400/B900 is a two component, polyurethane clearcoat with excellent surface properties, designed for application on wood and veneer finished aircraft interiors

- Fire retardant
- Mar and scratch resistant

Components



Mix Ratio (by volume)

- CA8400/B900 (Base) 2 parts
- CA8402B (Activator) 1 part

Specifications



CA8400/B900 meets the requirements of:

- FAR 25.853

Product Compatibility

CA8400/B900 is compatible with the following filler:

- CA8660

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 IPA solvent cleaner

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Instructions for Use



Base component should be manually agitated only. Add the activator to the base and mix well.

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.



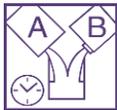
Induction Time:

Not required



Viscosity: (23°C/73°F)

• AFNOR4	19 - 25 seconds
• BSB3	36 - 47 seconds
• FORD4	17 - 22 seconds
• ISO4	36 - 44 seconds
• ZAHN2	22 - 29 seconds



Pot Life:

1 hour @ 21 - 25°C (70 - 77°F)

Application Guidelines

Recommended Application Conditions:

Temperature	15 - 30°C (59 - 86°F)
Relative Humidity	30 - 80%

Application:

Apply at a dry film thickness of 40-60 µm, apply multiple coats to achieve required total dry film thickness.



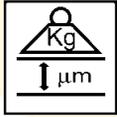
Theoretical Coverage: (ready for use)

12 m²/Lt @ 50 µm dry film thickness
 480 ft²/US gal @ 2 mil dry film thickness

Recommended Dry Film Thickness:

40 - 60 µm (per coat depending on thickness required)
 1.6 - 2.4 (mil)

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Dry Film Density:

1.1 g/cm³
9.3 lbs/US gal

Dry Film Weight:

56 g/m² @ 50 µm dry film thickness
0.011 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	Maximum Pressure
Conventional Air Spray	1.4 mm	58 psi (4 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:

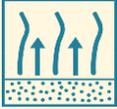
>90 units with a 60° gloss meter



Drying Times 50% R.H.	23°C (73°F)	60°C (140°F)
Dry to Handle	3 hours	
Dry to Tape	5 hours	1 hour
Full Cure	7 days	3 days

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

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Flash Off Time:

1 hour @ 21-25°C (70-77°F) prior to force dry



VOC: (ASTM)

Mixed ready for use	420 g/Lt
CA8400/B900 Base Component	370 g/Lt
CA8402B Activator	280 g/Lt



Flash Point:

CA8400/B900 Base Component	33°C (91°F)
CA8402BB Activator	48°C (118°F)

Shelf Life:

CA8400/B900 Base Component	24 months in original unopened container
CA8402B Activator	24 months 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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