

Desothane® CA8003 HS Polyurethane Aerosol Touch Up

TECHNICAL DATA SHEET (EMEA)

Product Description

CA8003 is CA8000 supplied in aerosol form.

CA8003 is a polyurethane topcoat for the protection and decoration of aircraft exterior structures. CA8003 topcoat is designed to be applied over Desoprime™ epoxy primers.

- High Solids, low VOC
- Excellent fluid resistance
- Excellent gloss and colour retention
- Excellent adhesion to epoxy primers
- Can be applied in a wide range of environmental conditions

Components



CA8003 is supplied as an aerosol containing the following components:

- | | |
|-----------------------|-----------|
| • CA8003/XXXX (Base) | 2 volumes |
| • CA8000B (Activator) | 1 volume |

Specifications



CA8003 is qualified to:

- | | |
|------------------|---------------|
| • AIMS 04-04-012 | • BAMS 565-02 |
| • AIMS 04-04-013 | • BAMS 565-09 |
| • AIMS 04-04-025 | • BS2X34B |
| • AIMS 04-04-031 | • DHMS C4.04 |
| • AIMS 04-04-032 | • MM0114 |
| • BMS 10-60 T2 | • MSRR 1006 |
| • BMS 10-60 T8 | |

Product Compatibility

CA8003 meets the performance requirements of the following specifications:

- AIMS 04-04-014
- Mil-PRF 85285

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 over coating times.



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Instructions for Use



1. Prior to activation, shake aerosol vigorously for a minimum of 2 minutes.



2. Take the red pressure button from the cap. Turn aerosol 180° and place red pressure button onto the pin on the bottom of the aerosol.



3. Place the aerosol cap first onto a firm, level surface. To activate, press down on the red button, depressing it in to the aerosol until stop is reached.



4. After activation, shake aerosol vigorously for a minimum of 2 minutes to ensure components are thoroughly mixed.



5. Do a test spray pattern to check the product. Ensure the nozzle is clean and sprays evenly during test spraying.

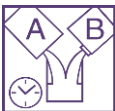


6. Clean up. After use, invert aerosol and spray until clear - this will prevent nozzle and feed tube from clogging at next use.



NOTE:

The pot life varies depending on the ambient temperature. Lower temperatures increase, higher temperatures decrease the pot life.



Pot Life:

2 hour @ 21 - 25°C (70 - 77°F)

Application Guidelines

Recommended Application Conditions:

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

Application:

Application Method for Small Areas:

Mask/stencil off area to be painted using a generous border of approx. 50cm. Adjust aerosol nozzle to narrow fan width and apply a single coat, allow 10 minutes overcoat



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time @ 23°C (73°F). Apply second single track coat then remove mark/stencil immediately after application of final coat.

Application Method for Large Areas:

Adjust aerosol nozzle to wide fan width and apply a one cross coat. Allow 15 minutes overcoat time @ 23°C (73°F) then apply second cross coat.



Note:

The number of coats required is dependent on opacity/ hiding power of CA8003 colour being applied. Wettability of subsequent coats will decrease if recommended overcoat times are exceeded.

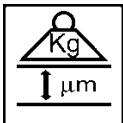


Theoretical Coverage: (ready for use)

10-12 m²/Lt @ 60 µm dry film thickness
400-480 ft²/US gal @ 2.4 mil dry film thickness

Recommended Dry Film Thickness:

50- 75 µm
2-3 (mil)



Dry Film Density: (depending on colour)

1.48-1.57 g/cm³
12.3-13.7 lbs/US gal

Dry Film Weight:

89-95 g/m² @ 60 µm dry film thickness
0.018-0.019 lbs/ft² @ 2.4 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.

Physical Properties



Colour:

Wide range of colours available



Gloss:

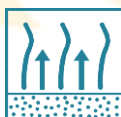
> 90 units with a 60° gloss meter

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Drying Times @ 23°C (73°F) 50 % R.H.	
Time between coats	10 to 15 minutes
Dust Free	30 minutes
Maskable	1 to 2 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:

30 minutes after application of final coat or when force drying - refer to PPG for information.



VOC: (ASTM)

Mixed ready for use <420 g/Lt



Flash Point:

CA8003/XXXX Base 22°C (72°F)
CA8000B Activator 47°C (117°F)

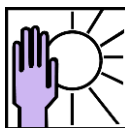
Shelf Life:

CA80003/XXXX Base 24 months in original unopened container
CA8000B 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:

Asia Pacific

ASC – Australia

Tel 61 (3) 9335 1557
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Fax 44 (0) 1388 770288

ASC - South Europe

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1 (818) 362-6711 or 1-800-AEROMIX

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