Desothane® HS CA8803 HS Polyurethane Aerosol Touch Up

Product Description

CA8803 is CA8800 supplied in aerosol form
Desothane® HS Buffable topcoats are polyurethane coatings used to protect the exterior of aircraft. These high solids topcoats are designed to be applied over Desoprime™ epoxy primers and Desofill™ surfacers.

- Compatible with epoxy primers, surfacers, and intermediate coating
- May be buffed to remove minor imperfections
- Excellent gloss and image reflection
- Retains gloss and color in harsh exterior environments
- Can be applied in a wide range of conditions
- Excellent impact and erosion resistance
- Skydrol® resistant
- Service temperature -54°C to 177°C (-65°F to 350°F)

Components

CA8803 is supplied as an aerosol containing the following components:

- CA8803/XXXX (base component) 1 part by volume
- CA8800Z (activator component) 1 part by volume

Specifications

CA8803 topcoat is qualified to:

- PPG Standard

CA8803 topcoat meets the requirements of:

- BMS 10-60 Type II Class B Grade D
- BMS 10-72 Type VIII
- BMS 10-125 Type III Grade D
- BMS 10-126 Type I Grade D

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

Product Compatibility:

CA8803 topcoat is compatible with the following primer specifications:

- 299-947-322 Type I
- AMS 3095
- BAMS 565-008 Grade A & B Type II
- BMS 10-72 Type VIII & IX Class NC
- BMS 10-79 Type II & III
- BMS 10-103 Type I Grade A
- BMS 10-118 Type I & II Grade B
- BMS 10-123 Type I Grade B
- CMS-CT-201 Class A & B Grade A & B
- CMS-CT-206 Type I Class A
- DHMS C4.01 Type 3 Grade A
- DHMS C4.18 Type III Class A Grade B
- GAMPS 3103
- GP110AEE
- HMS 16-1738
- HMS 16-2122
- MEP 10-060 Type I & II Class A & B
- MEP 10-068 Class A & B
- MEP 10-070
- MM1275 Type I & II
- MS100016E Class S
- PWA 36525 Type 1
- SMS-111204 Type 1 Class 1 Form 1 & 2
- SMS-111207 Type 7
- STMGK 189
- TCE-M-20710-14
- VMS C4.01 Type 3 Grade A
- VMS C4.18 Type 3 Class A Grade B

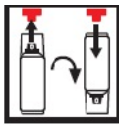
Surface Preparation and Pretreatments

CA8803 high solids topcoat can be applied over clean, dry, intact urethane compatible epoxy primers, surfacers, or intermediate coating. The surface may be cleaned with DeSoto® CN20, DeSoto® CN44, or Desoclean™ 110 solvent cleaner. Observe over coating window for primers or intermediate coating. For further information, refer to the Technical Data Sheets for the above mentioned primers and intermediate coating.

Instructions for Use

Mixing Instructions:

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.

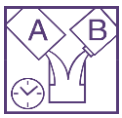
5. Do a test spray pattern to check the product. Ensure the nozzle is clean and sprays evenly during test spraying.

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.

Induction Time:

Not Required



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:

Recommended dry film thickness is 50 to 75 microns (2.0 to 3.0 mils). This can be accomplished by two or three medium coats with a 50% overlap. Note the first coat should be allowed to tack up before applying the second coat. If the second is applied before the first coat has tacked up, sagging may occur. If the first coat is completely dry, a heavy orange peel could result.

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 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.

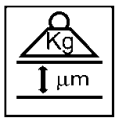
NOTE: The number of coats required is dependent on opacity/ hiding power of CA8803 colour being applied. Wettability of subsequent coats will decrease if recommended overcoat times are exceeded.

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:

20 square meters/liter at 25 microns dry film (825 square feet/gallon at 1 mil dry film)

Recommended dry film thickness; 50 to 75 microns (2 to 3 mils)



Dry Film Density:

1.48 grams/cubic centimeter (12.32 pounds/gallon)

Dry Film Weight:

37 grams/square meter at 25 microns dry film (0.0068 pounds/square feet at 1 mil dry film)

Physical Properties (product)

Color: Various

Gloss: 90+ G.U at 60°

Dry Times at Various Temperatures:

20°C (68°F)			
Dry to Tape	**Wet Edge**	**Time Between Coats**	**Dry to Fly**
3 - 4 hours	10 - 15 minutes	30 - 40 minutes	24 hours
25°C (77°F)			
Dry to Tape	**Wet Edge**	**Time Between Coats**	**Dry to Fly**
1 ½ - 2 ½ hours	8 - 12 minutes	15 - 20 minutes	12 hours
30°C (87°F)			
Dry to Tape	**Wet Edge**	**Time Between Coats**	**Dry to Fly**
1 ½ - 3 hours	6 - 12 minutes	10 - 15 minutes	10 hours

Accelerated cure:

Allow 30 minutes flash off at 24°C (75°F)
followed by 60 minutes at 49°C (120°F)

Note: The cure rate of CA8803 topcoats is not affected by humidity.

VOC

VOC:

Mixed, ready for use VOC (EPA method 24)	265 grams/liter
Base Component	338 grams/liter
Activator Component	116 grams/liter

Flash point closed cup:

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

Shelf Life

6 months from date of manufacture.

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.

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
Fax 61 (3) 9335 3490

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Tel 81 561 35 5200
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