

Desothane[®] HD CA9008 Base Coat

TECHNICAL DATA SHEET

Product Description

Desothane[®] HD CA9008 is a pigmented base coat designed for use with clear coat CA9008B0900D. The Base coat / clear coat system provides extended service life, improved buffability, and a smooth, easy to clean surface.

- High solids, low VOC
- Outstanding appearance
- Excellent colour and gloss retention
- Opacity achieved in one coat
- Reduction in weight and cycle times

Components



Mix Ratio (by volume)

- 9008xxxx (Base) 4 parts
- 9008B (Activator) 1 part
- 9008C2 (Reducer) 1 part
- or
- 9008C (High Temperature Reducer >35°C)

Specifications



CA9008 is qualified to the following specifications:

- AIMS 04-04-025
- AIMS 04-04-033
- AIMS 04-04-037

CA9008 is qualified to AMS 3095 when used with the following systems:

- EAP9 + CA7502E + CA9008 Basecoat + CA9008B0900D
- P99 + PAC33CF + CA9008 Basecoat + CA9008B0900D
- 7530 + 7065 + CA9008 Basecoat + CA9008B0900D

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

Desothane[®] HD CA9008 Base Coat

Surface Preparation and Pretreatment



Ensure that the correct surface pre-treatment has been carried out and that drying and overcoating times are adhered to.

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

Instructions for Use



Base may require mechanical agitation. Ensure all components are adequately dispersed. Add activator to base component and mix thoroughly. Add reducer while continuing to stir until uniform.

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:

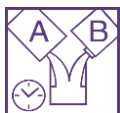
Not required



Viscosity: (23°C/73°F)

• AFNOR4	18 - 24 seconds
• BSB3	35 - 46 seconds
• BSB4	20 - 25 seconds
• FORD4	16 - 22 seconds
• ISO4	32 - 43 seconds
• ZAHN2	25 - 28 seconds

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



Pot Life:

2 hours @ 21 - 25°C (70 - 77°F)

Application Guidelines

Recommended Application Conditions:

Temperature	15 - 30°C (59 - 86°F)
Relative Humidity	30 - 75%

Desothane® HD CA9008 Base Coat

Application:

Apply 1 cross coat followed by 1 single coat. If 2 coats are required, apply 2 cross coats with overcoating time of 15 minutes to 2 hours between coats.

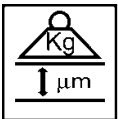


Theoretical Coverage: (ready for use)

11 m²/Lt @ 50 µm dry film thickness
440 ft²/US gal @ 2 mil dry film thickness

Recommended Dry Film Thickness:

30 - 70 µm depending on colour
1.2 - 2.8 mil



Dry Film Density:

1.9 g/cm³ (white)
15.8 lbs./US gal

Dry Film Weight:

77 g/m² @ 50 µm dry film thickness
0.015 lbs./ft² @ 2.0 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	Tip Size (mm)	Flow Rate (ml/min)	Air Pressure
Conventional Spray Gun	1.5		43 - 73 psi 3 - 5 bars
Airless Air Assisted GRACO Pro XS4 AA	611	280	58 - 73 psi 4 - 5 bars
Low Pressure Electrostatic Pro XS4 or XS3	1.2	280 - 320	58 - 73 psi 4 - 5 bars

Note: Contact your local Technical Service Representative for information on use of alternative application equipment.

Equipment Cleaning:

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

Desothane® HD CA9008 Base Coat

Physical Properties



Colour:

Wide range of colours available



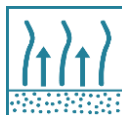
Gloss:

> = 90 units with a 60° head (when overcoated with CA9008B0900D clear coat)



DRYING TIME	With 9008C2 @ 23°C (73°F) 50% R.H.	With 9008C2 @ 30°C (86°F) 85% R.H.	With 9008C @ 35°C (86°F) 50% R.H.
Dry to Tape	2 to 3 hours	1 to 2 hours	2 to 2.5 hours
Overcoatable with 9008B0900D	2 to 3 hours (min.) 5 days (max.)	1 to 2 hours (min.) 5 days (max.)	2 to 3 hours (min.) 5 days (max.)
Full Cure	7 days	7 days	7 days

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



Flash Off Time:

5 - 15 minutes flash off prior to force dry



VOC: (ASTM)

Mixed ready for use	335 g/Lt
9008xxxx Base Component	350 g/Lt
9008B Activator	110 g/Lt
9008C2 Reducer	490 g/Lt
9008C Reducer	500 g/Lt



Flash Point:

9008 Base Component	33°C (91°F)
9008B Activator	47°C (116°F)
9008C2 Reducer	-1°C (30°F)
9008C Reducer	-1°C (30°F)

Desothane[®] HD CA9008 Base Coat

Shelf Life:

9008 Base Component	24 months in original unopened container
9008B Activator	24 months in original unopened container
9008C2 Reducer	24 months in original unopened container
9008C Reducer	24 months in original unopened container

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.



Desothane[®] HD CA9008 Base Coat

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

ASC – Japan

Tel 81 561 35 5200
Fax 81 561 35 5201

ASC – South East Asia

Tel 65 6861 1119
Fax 65 6861 6162

ASC – Suzhou

Tel (86-512) 6661 5858
Fax (86-512) 6661 6868

ASC – Tianjin

Tel (86-022) 2482 8625
Fax (86-022) 2482 8600

Americas

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

Europe and Middle East

ASC – Central Europe

Tel 49 (40) 742 193 10
Fax 49 (40) 742 139 69

ASC – Middle East & India

Tel (971) 4 883 9666
Fax (971) 4 883 9665

ASC – North Europe

Tel 44 (0) 1388 770222
Fax 44 (0) 1388 770288

ASC - South Europe

Tel 33 (0) 235 53 43 71
Fax 33 (0) 235 53 54 44

Desoclean, Desothane, and DeSoto are trademarks of PRC-DeSoto International, Inc.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

PPG Aerospace
Sealants and Coatings
Darlington Road
Sildon, Co Durham UK
DL4 2QP

www.ppgaerospace.com

Issue Date: 08/15

Lit: 4338