



Desothane[®] HS CA8200R Rollable Flow Additive

TECHNICAL DATA SHEET

Product Description

Desothane[®] HS CA8200R rollable flow additive is used with polyurethane topcoats for roller application. This additive promotes smoothness and helps eliminate orange peel.

- Ideal for touch-ups
- Retains gloss and image reflection
- Can be used as a fisheye eliminator
- Service temperature -54 °C to 177 °C (-65 °F to 350 °F)

Components



Mix ratio (by volume):

- | | |
|---------------------------------|---------|
| • CA8000/XXXXX (base component) | 2 parts |
| • CA8000B (activator component) | 1 part |
| • CA8200R (flow additive) | |
| Light colors | ¼ part |
| Dark colors | ⅓ part |

Product Compatibility:

CA8200R is compatible with the following polyurethane Desothane[®] Topcoats:

- | | |
|-----------------|-----------------|
| • CA8000 Series | • CA8800 Series |
| • CA8201 Series | • CA8211 Series |
| • CA8221 Series | • CA9800 Series |

Surface Preparation and Pretreatments



Desothane[®] HS topcoats using the roller additive can be used over clean, dry, intact primers or topcoats.

Instructions for Use



Mixing Instructions:

For the best application viscosity, thoroughly mix two parts of base component to one part activator component. Once a uniform consistency is achieved, slowly add CA8200R under constant agitation until the mixture is homogeneous. The amount of CA8200R rollable flow additive to be added to the mixture is dependent upon the ambient temperature and color of the base component. Induction time is not recommended.

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For Gloss CA8201 Topcoat:

Add 2 ounces of CA8200R to 1 gallon of base component. Shake well. Add one volume of CA8200D activator component to one volume of base. Mix thoroughly.

For Flat CA8211 or Semi-gloss CA8221 Topcoats:

Add 1 ounce of CA8200R to 3 quarts of base component. Shake well. Add 1 quart of activator component to the 3 quarts of base. Mix thoroughly.

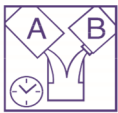
Note: It is best to use the mixed material right away. The pot life will decrease when using CA8200R.

Note: It is important to condition the paint for 24 hours prior to mixing by placing all materials in the shop or hangar, with ambient temperatures between 13° and 35 °C (55° to 95 °F). The minimum temperature of the paint components should be 13 °C (55 °F) prior to mixing.



Induction Time:

Not Required



Pot Life:

Light colors 45 minutes @ 21 - 25 °C (70 - 77 °F)

Dark colors 30 minutes @ 21 - 25 °C (70 - 77 °F)

Application Guidelines

Recommended Application conditions:

Temperature	15 - 30 °C (59 - 86 °F)
Relative Humidity	20 - 90%

Application:

PPG Aerospace recommends using a solvent resistant foam roller. It is important to load the foam roller with paint to displace the air in the foam cells. This will reduce the bubbles. Roll freshly mixed topcoat in the one or two coats to a total dry film thickness of 37.5 to 62.5 microns (1.5 to 2.5 mils). The second coat should go over a tack free first coat.

These application guidelines represent PPG's best advice in standard conditions. Some parameters will be influenced by environmental conditions, equipment settings, and other variables.

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Physical Properties (product)



Color: Clear Liquid



Gloss: Not Applicable



Dry Times at Various Temperatures:

20°C (68°F)				
Thinners	Dry to Tape	Wet Edge	Time Between Coats	Dry to Fly
CA8200 All Other Colors	3 - 4 hours	15 minutes	15 - 20 minutes	12 hours
CA8200 White and Gray	4 - 5 hours	20 minutes	20 - 30 minutes	36 hours
25°C (77°F)				
Thinners	Dry to Tape	Wet Edge	Time Between Coats	Dry to Fly
CA8200 All Other Colors	2 ½ - 3 hours	10 minutes	10 - 15 minutes	10 hours
CA8200 White and Gray	3 - 4 hours	15 minutes	15 - 20 minutes	12 hours
30°C (87°F)				
Thinners	Dry to Tape	Wet Edge	Time Between Coats	Dry to Fly
CA8200 All Other Colors	1 - 2 hours	5 minutes	5 - 10 minutes	7 hours
CA8200 White and Gray	2 ½ - 3 hours	10 minutes	10 - 15 minutes	10 hours

Accelerated cure to dry hard:

Allow 20 minutes flash off at 24°C ± 3°C (75°F ± 10°F)
followed by 15 minutes at 49°C (120°F)



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VOC

VOC (EPA method 24):

Mixed, ready for use VOC
CA8200R

824 grams/liter
824 grams/liter



Flash point closed cup:

CA8200R

-5 °C (23 °F)

Shelf Life

24 months from date of manufacture for PRC-DeSoto Standard.

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.



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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
Fax 61 (3) 9335 3490

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Fax 81 561 35 5201

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Fax 44 (0) 1388 770288

ASC – South Europe

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

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PPG-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342

www.ppgaerospace.com

Issue Date: 7/14
Lit: 4181