

# Desothane<sup>®</sup> HS 020X457 Solvent Retarder

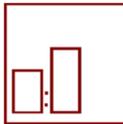
## TECHNICAL DATA SHEET

### Product Description

Desothane<sup>®</sup> HS 020X457 Solvent Retarder is a solvent reducer designed for use during hot and humid weather conditions. This retarder is used with Desothane<sup>®</sup> HS polyurethane topcoats.

- Increases wet edge times when the ambient temperature exceeds 27 °C (80 °F).
- Retains excellent appearance of topcoat

### Components



#### **Mix ratio (by volume):**

- Add 10% to 15% for maximum wet edge improvement

#### **Product Compatibility:**

020X457 Solvent Retarder is compatible with the following topcoat specifications:

- BMS 10-60 Type I & Type II
- BMS 10-72 Type VIII
- BMS 10-125 Type III
- DMS 2115
- DMS 2143
- MIL-PRF-85285
- MMS 420

### Instructions for Use



#### **Mixing Instructions:**

Desothane<sup>®</sup> HS polyurethane topcoats CA8000 series require the use of CA8000C thinners. Desothane<sup>®</sup> HS solvent retarder, 020X457, is used as an additional thinner for CA8000. Mix two parts CA8000 base component to one part CA8000C solvent reducer. Mix well to a uniform consistency. Add CA8000B activator component to the mixture under constant agitation until uniform. Add up to 15% of 020X457. This retarder can be used with CA8200 topcoats at the 15% level.

*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

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## Application Guidelines

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



### Equipment Cleaning:

Clean spray equipment as soon as possible after use. Flush spray equipment with DeSoto<sup>®</sup> CN20, DeSoto<sup>®</sup> CN44, or Desoclean<sup>™</sup> 45 high performance solvent cleaner

## Physical Properties (product)



**Color:** Clear Liquid



**Gloss:** Not Applicable



| Dry Times for     | 13 - 21 °C (55 - 70 °F) | 22 - 28 °C (71 - 84 °F) | >29 °C (>85 °F) |
|-------------------|-------------------------|-------------------------|-----------------|
| CA8000 and CA8200 |                         |                         |                 |
| Dry to Tape       | 12 - 14 hours           | 10 - 12 hours           | 8 - 10 hours    |
| Wet Edge          | 50 - 65 minutes         | 35 - 50 minutes         | 30 - 40 minutes |
| Dry Between Coats | 1 - 2 hours             | ½ - 1 hour              | 45 - 60 minutes |
| Full Cure         | 7 days                  | 7 days                  | 7 days          |

### Accelerated cure:

Allow 30 minutes flash off at 24 °C ± 3 °C (75 °F ± 10 °F)  
followed by 60 minutes at 49 °C (120 °F)

- When CA8000 and CA8200 topcoats are properly mixed with 020X457 solvent retarder and spray applied, allow 30 to 60 minutes between coats at 27 °C (80 °F).
- Times between coats are dependent upon temperature, film thickness and airflow.
- When CA8000 and CA8200 topcoats are properly mixed with 020X457 solvent retarder the pot life will not be affected.
- Dry to tape for CA8000 and CA8200 with 020X457 will be 10-12 hours at 27 °C (80 °F).



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## VOC

### VOC (EPA method 24):

Mixed, ready for use VOC  
020X457

945 grams/liter  
945 grams/liter

### Physical Constants:

Weight/gallon

8 pounds/gallon



### Flash point closed cup:

Seta Flash

36 °C (96 °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](http://www.ppgaerospace.com)**

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### **Asia Pacific**

#### **ASC – Australia**

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PRC-DeSoto International, Inc.

12780 San Fernando Road  
Sylmar, CA 91342

[www.ppgaerospace.com](http://www.ppgaerospace.com)

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