

## Desoprime™ 7531 Chromate Free Etch Primer

### Product Description

7531 is a Chromate Free Etch Primer suitable for use in both land based and aerospace applications. It has been specifically developed for use with the UK Military system Desoprime™ 7521 Chromate Free Primer and Desothane™ 83XX HS PU Topcoats.

- Excellent corrosion resistance
- Excellent adhesion to aluminium and steel substrates
- Phenolic modified for excellent water resistance
- Used to reactivate aged anodized or chromated surfaces
- Easy to apply in a wide range of environmental conditions
- Lower VOC than conventional Etch and Wash Primers

### Components



#### Mix Ratio (by volume)

- 7531 (Base) 1 part
- 7531B (Activator) 1 part

### Specifications



7531 is qualified to:

- PPG Standard
- BS X 42

#### Product Compatibility

7531 is compatible with the following primer specifications:

- DEF STAN 80-225
- DGQT 1.7.0.0150
- HMRC0154
- BS2X33

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

## Surface Preparation and Pretreatment



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



Thoroughly shake the CF Etch Primer Base component (7531) for a minimum of 3 minutes until a smooth and homogenous mix is obtained. Slowly add 1 volume of CF Etch Primer Activator (7531B) to 1 volume of base (7531) whilst stirring.

*Note: All products and components should be placed in ambient conditions of 15-35°C (59-95°F) for at least 24 hours prior to mixing and application.*



### **Induction Time:**

Not required



### **Viscosity:** ( 23°C/73°F)

- ISO 4 27 - 42 seconds
- #2 Signature ZAHN cup 25 - 30 seconds

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



### **Pot Life:**

4 hours @ 15-35°C (59-95°F)

## Application Guidelines

### **Recommended Application Conditions:**

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

### **Application:**

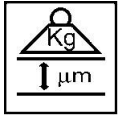
Apply a light, wet, closed film to achieve a dry film thickness of 4 - 10 µm.



**Note:** Over application / excessive film build of product will result in a dark blue discolouration of the dry film.



**Theoretical Coverage:** (ready for use with mix ratio 1:1)  
26 m<sup>2</sup>/Lt @ 7 µm dry film thickness



**Dry Film Density:**  
1.04 g/cm<sup>3</sup>

**Equipment:**



Equipment Type	Tip Size	Pressure
Conventional Spray Gun	1.2 mm to 1.4 mm	1.5-3 bar
HVLP	1.2 mm to 1.4 mm	1.5-3 bar

**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, Desoclean™ 45 or PPG MB28 solvent cleaners are recommended.

**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:**

Blue



**Gloss:**

Not Applicable



**Drying Times**

Drying Times at 23°C (73°F) 55% R.H.	
Dry to Touch	20 minutes
Dry To Handle	30 minutes
Dry To Overcoat	1 to 72 hours
Dry to Mask	1.5 hours
Full Cure	7 days

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

**Note:** 7531 should not be force dried at temperatures above 60°C (140°F) unless already overcoated with another product.

**VOC**

**VOC: (ASTM)**

Mixed ready for use                      650 g/Lt  
7531    500 g/Lt  
7531B    800 g/Lt



**Flash Point:**

7531    -4°C (25°F)  
7531B    -4°C (25°F)

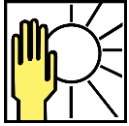
**Shelf Life:**

7531    24 months in original unopened container  
7531B    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.

## 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)**

**For sales and ordering information call the local PPG office at the numbers listed below:**

### **Asia Pacific**

#### **ASC – Australia**

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### **Americas**

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

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*This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data.*

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