

# PR143BT Brushing Epoxy Primer

## TECHNICAL DATA SHEET

### Product Description

PR143BT is a two pack ambient curing epoxy primer developed for the internal and external protection of aircraft and non ferrous military equipment.

- Low VOC <420g/Lt
- Ambient curing
- Excellent resistance to phosphate ester hydraulic oils
- Superior water resistance and adhesion properties
- Excellent corrosion resistance
- Also available in military grades (separate TDS available on request, may be subject to export control restrictions)

### Components



Mix Ratio (by volume)

- PR143BT (Base) 4 parts
- ACT143BT (Activator) 1 part

### Specifications



PR143BT meets the performance requirements of:

- ABP 4-1123
- AIMS 04-04-001
- AIMS 04-04-004
- AVN 7-003
- AVN 7-0133
- BS2X33B
- MSRR 9064

#### Product Compatibility

PR143BT is compatible with the following primer / topcoat specifications:

- BS2X34A+B
- BS2X32
- SP-J-513-C-0083

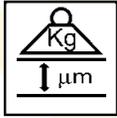
*Note: PPG Aerospace recommends you check the most recent specification QPLs for updated information.*



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Recommended Dry Film Thickness:

20 - 30  $\mu\text{m}$   
0.8 - 1.2 mil



Dry Film Density:

2.05  $\text{g}/\text{cm}^3$   
17.1 lbs/US gal

Dry Film Weight:

51  $\text{g}/\text{m}^2$  @ 25  $\mu\text{m}$  dry film thickness  
0.010 lbs/ft<sup>2</sup> @ 1 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:



PR143BT can be applied by brush or roller

Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use. DeSoto<sup>®</sup> CN20 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended.

## Physical Properties



Colour:  
Yellow



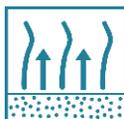
Gloss:  
 $\leq 20$  units with a 60° gloss meter

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DRYING TIMES	23°C (73°F)	70°C (158°F)
Touch Dry	30 minutes	
Dry to Handle		15 minutes
Dry to Tape	4 hours	
Hard Dry	6 hours	30 minutes
Re-coat with Self	30 minutes	
Dry to Overcoat	4 to 48 hours	
Full Cure	7 days	3 hours

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



Flash Off Time:  
15 minutes



Special Note:

After 72 hours primer must be cleaned, lightly abrade and refreshed? with a further coat of PR143BT before application of topcoat.



VOC: (ASTM)

Mixed ready for use	415 g/Lt
PR143BT Base Component	410 g/Lt
ACT143BT Activator	480 g/Lt



Flash Point:

PR143BT Base Component	16°C (60°F)
ACT143BT Activator	25°C (77°F)

Shelf Life:

PR143BT Base Component	24 months in original unopened container
ACT143BT Activator	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.*



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### 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.*



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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)

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

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Tel 61 (3) 9335 1557  
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ASC – North Europe  
Tel 44 (0) 1388 770222  
Fax 44 (0) 1388 770288

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

### Americas

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

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Issue Date: 04/17  
Lit: 4387