

8500/4007 Hot Hard Anti-Adherent Red Varnish

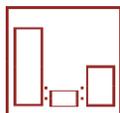
Product Description

Polyamide paint providing excellent chemical resistance at high temperatures, good flexibility and high abrasion resistance.

- Resistant to oils, hot grease and solvents at elevated temperatures
- High abrasion resistance
- Excellent thermal stability @ temperatures of 200 to 235°C

Note: 8500/4007 is not suitable for use in concentrated alkali conditions or at extreme temperatures.

Components



Mix Ratio (by weight)

- 8500/4007 (Base) 1part
- 0591/9000 (Thinner) 0.5 parts

Specifications



8500/4007 is qualified to:

- ECS 2297

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. Observe recommended overcoating windows.

Instructions for Use



Stir or shake base component to ensure complete dispersion. Add required thinner to achieve viscosity.

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

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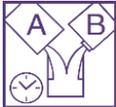
**Induction Time:**

Not required

**Viscosity:** (23 ± 2°C / 70-77°F)

- ISO 4 25-40 seconds

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

**Pot Life:**

8 hours @ 21-25°C (70-77°F)

Application Guidelines

Recommended Application Conditions:

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

Application:

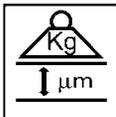
Apply a single coat to achieve a dry film thickness of 8 - 15µm

**Theoretical Coverage:** (ready for use)

5 m² Lt @ 10 µm dry film thickness
200 ft² US gal @ 0.4 mil dry film thickness

Recommended Dry Film Thickness:

8-15 µm
0.3-0.6 mil

**Dry Film Density:**

1.38 g/m³
11.4 lbs /US gal

Dry Film Weight:

13.8 g/m² @ 10 µm dry film thickness
0.0028 lbs/ft² @ 0.4 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.

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Equipment:



Equipment Type	Tip Size	Air Pressure
Conventional Air Spray	1.2 to 1.5mm	44 to 73 psi (3 to 5 bar)

Equipment Cleaning:

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

Physical Properties



Colour:

Red



Gloss:

N/A



Stoving Schedule	
Flash Off	15-30 minutes before stoving
Preliminary Stove	10 minutes @ 120°C
Final Stove	10 minutes @ 280°C

VOC

VOC: (ASTM)

Mixed (ready for use)	835 g/Lt
8500/4007 Base Component	790 g/Lt
0591/9000 Thinner	920 g/Lt



Flash Point:

8500/4007 Base Component	34°C (70°F)
0591/9000 Thinner	32°C (70°F)

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Shelf Life:

8500/4007 Base Component
0591/9000 Thinner

12 months in original unopened container
10 years 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



The material should be stored at temperatures between 5-35°C (41-95°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

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

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ASC – Australia
Tel 61 (3) 9335 1557
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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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