Eldorado PR-5044 Neutral Peroxide Paint Remover

TECHNICAL DATA SHEET

Product Description

Eldorado PR-5044 is a viscous, peroxide-activated, benzyl alcohol paint and primer remover designed for removal of durable polyurethane and epoxy paint systems. PR-5044 is environmentally compliant and worker-friendly.

- Fast-acting
- Contains no chlorinated solvents, phenols, or chromates
- May be applied to vertical, inclined, or over-head surfaces
- Remains wet on surfaces for many hours reducing need to re-apply
- Effective on polyurethane and difficult epoxies
- Safe on anodized and other aluminum alloys, cadmium, ferrous alloys, titanium, and non-embrittling to high strength steel

Components

Mix ratio (by volume):
• Single Component

Specifications

PR-5044 paint remover is listed on the following specifications:

- BAC 5725
- CSFS040
- D6-17487
- Dassault NTO
- DPM 5549
- Douglas CSD#1
- Embraer 145
- HJMS-9001
- HMS 20-1267

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

Surface Preparation and Pretreatments

Eldorado PR-5044 is a paint remover designed for removal of durable polyurethane and epoxy paint systems.
Eldorado PR-5044 Neutral Peroxide Paint Remover

Induction Time:
Not Required

**Application Guidelines**

**Recommended Application Conditions:**

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

**Application:**

Works well at a preferred temperature range of 65° to 85°F (19° to 29°C), with a removal performance maximum of 95°F (35°C). Before using PR-5044, mask off or cover critical areas, such as openings, composites, rubber, or plastic windows, with non-porous materials to prevent ingress or damage.

The applied thickness of paint remover should be about 2 times thicker than the paint film. The minimum wet film thickness should be 8 mils. Dwell time is dependent upon temperature, humidity, and airflow, but expect from 1 to 8 hours. If another application of PR-5044 is required, apply after removing loosened paint.

Paint remover operation should be performed in a manner so that material is promptly removed and reapplied before drying. If the applied remover turns “clear” on the paint after several hours, this indicates the remover is absorbed or drying up. Allow extra dwell time to judge the need for re-applying. Avoid allowing the stripper to stay on the aircraft longer than eighteen hours.

Once the removal operation is complete, agitate the surface with a stiff bristle brush or non-metallic scraper to dislodge loosened paint and adherent primer. Removal of spent remover and digested paint may be accomplished by low volume high-pressure spray, high-volume flush rinse, or by use of a squeegee. The removal method is dictated by water use constraints and disposal regulations. Squeegeeing to remove stripper and paint residues can very cost effective by minimizing water usage and cleanup time. Plastic sheeting placed under the aircraft have been found to be useful to facilitate the collection of squeegeed off stripping residues.
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Surfaces must be cleaned, preferably within 2 hours, while any remaining paint residues are still damp with remover. For best results, clean the surfaces with an approved alkaline cleaning solution to remove all stripper residues and neutralize peroxides. Pay close attention to direct spray into skin flaps and seams that trap residue. Thoroughly spray rinse all cleaned surfaces with water, checking water entrapment areas to be free of debris that block water flow.

Important: All parts of application equipment that come in contact with PR-5044 must be made of stainless steel (CRES) or chemically resistant plastic, such as PVC, polyethylene, or polypropylene. Use plastic buckets and synthetic bristle brushes. Do not contaminate PR-5044 with other types of paint removers. Avoid contamination with wipe solvents.

Caution: Used material contaminated with paint flakes and organic materials may undergo spontaneous decomposition. Paint flakes must be rinsed with water to remove paint stripper prior to packaging in vented containers before disposal. Always use polyethylene or polypropylene containers for storing paint chip waste.

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:
Eldorado PR-5044 paint remover can be applied with a non-atomizing spray gun or paint brush.

Physical Properties (product)

<table>
<thead>
<tr>
<th>Color</th>
<th>Bright Yellow</th>
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<tbody>
<tr>
<td>Gloss:</td>
<td>Not Applicable</td>
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PR-5044
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VOC (EPA method 24):

| PR-5044 | 357 grams/liter |

Physical Constants:

| Weight/gallon | 8.5 pounds/gallon |

Flash Point closed cup:

| PR-5044 | 90°C (194°F) |

Shelf Life:
12 months from date of manufacture.

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.

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

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### 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 65 6861 6162

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