N39/1794 Clear Acrylic Lacquer

TECHNICAL DATA SHEET

Product Description

N39/1794 is a single pack, acrylic lacquer designed to protect identification markings, labels and emblems on aircraft.

- Fast drying
- Excellent flexibility
- Excellent weather resistance

Components

Mix Ratio (by volume)

- Base: N39/1794 2 parts
- Thinner: N38/4056 (0920/9000) 1 part

Specifications

N39/1794 is qualified to:

- WL 5.7006

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

Surface Preparation and Pretreatment

Ensure surface is clean, dry and intact, using a high performance cleaner. DeSoto® CN20 or Desoclean™ 45 solvent cleaners are recommended.

Instructions for Use

Thoroughly stir base to ensure all components are adequately dispersed prior to application.

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.
N39/1794 Clear Acrylic Lacquer

**Induction Time:**
Not applicable

**Viscosity: (23°C/73°F)**
- AFNOR4: 50 - 55 seconds
- BSB4: 26 - 45 seconds
- DIN 4: 38 - 42 seconds
- FORD4: 60 - 66 seconds

**Pot Life:**
Not applicable

**Application Guidelines**

**Recommended Application Conditions:**
- Temperature: 15 - 30°C (59 - 86°F)
- Relative Humidity: 30 - 75%

**Application:**
Apply 2 cross coats to achieve the recommended dry film thickness of 25 - 35 µm (1.0 - 1.4 mil) allowing a minimum of 15 minutes between coats.

**Theoretical Coverage:** (ready for use per coat)
- 10 m²/Lt @ 30 g/m² dry film thickness
- 400 ft²/US gal @ 1.2 mil dry film thickness

**Recommended Dry Film Thickness:**
- 25 - 35 µm
- 1.0 - 1.4 mil

**Dry Film Density:**
- 1.13 g/cm³
- 9.42 lbs/US gal
N39/1794 Clear Acrylic Lacquer

Recommended Dry Film Weight:
34 g/m² @ 30 µm dry film thickness
0.006 lbs/ft² @ 1.2 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:

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Tip Size</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Pressure Spray</td>
<td>1.2 to 1.5 mm</td>
<td>43 to 72 psi (3 to 5 bar)</td>
</tr>
</tbody>
</table>

Physical Properties

Colour:
Colourless

Gloss:
> 85° units with a 60° gloss meter

<table>
<thead>
<tr>
<th>Drying Times 50% R.H.</th>
<th>23°C (73°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust Free</td>
<td>15 minutes</td>
</tr>
<tr>
<td>Touch Dry</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Dry to Tape</td>
<td>2 hours</td>
</tr>
<tr>
<td>Full Cure</td>
<td>7 days</td>
</tr>
</tbody>
</table>

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

Flash Off Time:
Not applicable
N39/1794 Clear Acrylic Lacquer

VOC: (ASTM)

N39/1794 610 g/Lt
N38/4056 (0920/9000) 830 g/Lt

Flash Point:
N39/1794 -5°C (23°F)
N38/4056 (0920/9000) 2.5°C (36.5°F)

Shelf Life:
N39/1794 24 months in original unopened container
N38/4056 (0920/9000) 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

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

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

Asia Pacific
ASC – Australia
Tel 61 (3) 9335 1557
Fax 61 (3) 9335 3490

ASC – Japan
Tel 81 561 35 5200
Fax 81 561 35 5201

ASC – South East Asia
Tel 65 6861 1119
Fax 65 6861 6162

ASC – Suzhou
Tel (86-512) 6661 5858
Fax (86-512) 6661 6868

ASC – Tianjin
Tel (86-022) 2482 8625
Fax (86-022) 2482 8600

Europe and Middle East
ASC – Central Europe
Tel 49 (40) 742 193 10
Fax 49 (40) 742 139 69

ASC – Middle East & India
Tel (971) 4 883 9666
Fax (971) 4 883 9665

ASC – North Europe
Tel 44 (0) 1388 770222
Fax 44 (0) 1388 770288

ASC – South Europe
Tel 33 (0) 235 53 43 71
Fax 33 (0) 235 53 54 44

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

Desoclean and DeSoto are trademarks of PRC-DeSoto International, Inc.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.