N53621 Polyurethane Walkway Coating

TECHNICAL DATA SHEET

Product Description

N53621 is a two pack polyurethane topcoat designed to give maximum slip resistance in walkway and stepped areas of aircraft.

- Durable polyurethane coating
- Conventional solids
- Excellent chemical resistance
- Anti-slip properties

Components

Mix Ratio

<table>
<thead>
<tr>
<th>MIX RATIO</th>
<th>BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base: N53621 (9802/xxxx)</td>
<td>5 parts</td>
</tr>
<tr>
<td>Activator: N39/1327 (07169000)</td>
<td>1 part</td>
</tr>
<tr>
<td>Thinner: N39/3091 (09119000)</td>
<td>as required</td>
</tr>
<tr>
<td>OR Thinner: N39/3259 (09169000)</td>
<td>as required</td>
</tr>
</tbody>
</table>

Specifications

N53621 is qualified to:

- WL 5.7056

N53621 meets the performance requirements of:

- AIMS 04-04-024

Product Compatibility

N53621 is compatible with the following primer / topcoat specifications:

- BS2X34B

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 solvent cleaner. DeSoto® CN20 or Desoclean™ 45 solvent cleaners are recommended. Observe recommended overcoating windows.
N53621 Polyurethane Walkway Coating

Instructions for Use

Base component may require mechanical agitation. Ensure all components are adequately dispersed. Thoroughly stir or shake the base component until smooth, add activator to base and immediately stir thoroughly until uniform. Add thinner if required.

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.

Induction Time:
Not required

Viscosity: (23°C/73°F)
Not applicable

Pot Life:
6 hour @ 21 - 25°C (70 - 77°F)

Application Guidelines

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

Application:
Apply several coats to achieve the recommended dry film thickness 100 - 200 µm

Theoretical Coverage: (unthinned)
4 m²/Lt @ 150 µm dry film thickness
160 ft²/US gal @ 6 mil dry film thickness

Recommended Dry Film Thickness:
100 - 200 µm
4 - 8 (mil)

Dry Film Density:
1.95 g/cm³
16.2 lbs/US gal
N53621 Polyurethane Walkway Coating

Dry Film Weight:
293 g/m² @ 150 µm dry film thickness
0.060 lbs/ft² @ 6 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:
N53621 can be applied by brush or roller

Equipment Cleaning:
Clean spray equipment before use and as soon as possible after use DeSoto® CN20, CN44 or Desoclean™ 45 solvent cleaners are recommended.

Physical Properties

Colour:
Silver-Grey (5802/2146) RAL7001
Blue-Grey (5802/2765) RAL7031
Light Grey (5802/1237) RAL7035
Black (5802/2934) RAL9005

Gloss:
N/A

Drying Times 50% Relative Humidity | @ 23°C (73°F) | @ 70°C (158°F)
--- | --- | ---
Dust Free | 1 hour | 
Dry to Handle | 24 hours | 30 minutes
Dry to Overcoat | 6 hours (min.) 72 hours (max.) | 
Full Cure | 7 days | 3 hours

Note: Drying times listed above are dependent upon film thickness applied, air flow conditions and application technique.
N53621 Polyurethane Walkway Coating

Flash Off Time:
30 minutes when force drying

VOC: (ASTM)
Mixed (unthinned) 335 g/Lt
5802/… Base Component 350 g/Lt
0716/9000 Activator 270 g/Lt
0911/9000 Thinner 900 g/Lt
0916/9000 Thinner 900 g/Lt

Flash Point:
5802/… Base Component 36.5°C (98°F)
0716/9000 Activator 38°C (100°F)
0911/9000 Thinner 33°C (91°F)
0916/9000 Thinner 27°C (81°F)

Shelf Life:
5802/… Base Component 24 months in original unopened container
0716/9000 Activator 24 months in original unopened container
0911/9000 Thinner 10 years in original unopened container
0916/9000 Thinner 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.
N53621 Polyurethane Walkway Coating

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.

PPG Aerospace
Sealants and Coatings
Darlington Road
Shildon, Co Durham UK
DL4 2QP
www.ppgaerospace.com
Issue Date: 09/16
Lit: 4263