

## N53621 Polyurethane Walkway Coating

### Product Description

N53621 is a two pack polyurethane topcoat designed to give maximum slip resistance in walkway, emergency exits over wing surfaces and stepped areas of aircraft.

- High Durability Polyurethane Topcoat
- Conventional Solids
- Excellent Chemical and UV Resistance
- Anti-Slip Properties
- Service Temperature -55°C to 120°C (-67°F to 248°F)

### Components



#### Mix Ratio

	MIX RATIO	BY WEIGHT
Base:	N53621 (5802/xxxx)	5 parts
Activator:	N39/1327 (07169000)	1 part
Thinner:	N39/3091 (09119000)	as required
	OR	
Thinner:	N39/3259 (09169000)	as required

### Specifications



N53621 is qualified to:

- PPG Standard

N53621 meets the performance requirements of:

- AIMS 04-04-024

#### Product Compatibility

N53621 is compatible with the following primer / topcoat specifications:

- AIMS 04-04-031
- AIMS 04-04-036
- AIMS 04-04-060
- AIMS 04-04-061
- BS2X34B

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

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## 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.

## 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.*



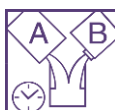
### **Induction Time:**

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



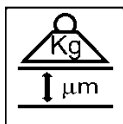
### **Theoretical Coverage:** (unthinned)

4 m<sup>2</sup>/Lt @ 150 µm dry film thickness  
160 ft<sup>2</sup>/US gal @ 6 mil dry film thickness

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## Recommended Dry Film Thickness:

100 - 200  $\mu\text{m}$   
4 - 8 (mil)



## Dry Film Density:

1.95 g/cm<sup>3</sup>  
16.2 lbs/US gal

## Dry Film Weight:

293 g/m<sup>2</sup> @ 150  $\mu\text{m}$  dry film thickness  
0.060 lbs/ft<sup>2</sup> @ 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<sup>®</sup> CN20, CN44 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended.

## Physical Properties



### Colour:

Silver-Grey	(5802/2146)	RAL7001
Blue-Grey	(5802/2735)	RAL7031
Light Grey	(5802/1237)	RAL7035
Black	(5802/2934)	RAL9005
Grey	(5802/2047)	M9001



### Gloss:

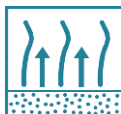
N/A

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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.*



## 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)

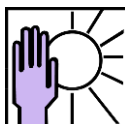
## Shelf Life:

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.*

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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)**

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