

0986/2620 Anti-Static Type II Kit

TECHNICAL DATA SHEET

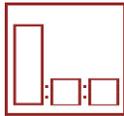
Product Description

0986/2620 is the kit reference for 5420/2620 anti-static polyurethane primer base & activator. This product is designed to conduct the electrostatic charges from composite parts to the metallic structure of aircraft.

- Type II Low conductivity for use on radomes & antenna fairings
- Compatible with most types of composite materials
- Sandable
- Good flexibility
- Water resistant
- Electrical Resistivity 5-100 MΩ per square

Components

Kit 0986/2620 (3 Ltr 5420/2620 + 1 Ltr 0709/9000)



Mix Ratio (by volume)

- | | |
|-------------------------|---------|
| • 5420/2620 (Base) | 3 parts |
| • 0709/9000 (Activator) | 1 part |
| • 0491/9000 (Thinner) | 1 parts |

Specifications



0986/2620 is qualified to:

- AIMS 04-04-005
- TN-A-007-10106
- WL5.7030

Product Compatibility

0986/2620 is compatible with the following specifications:

- AIMS 04-04-002
- AIMS 04-04-011
- BS2X34A+B

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

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Surface Preparation and Pretreatment



Ensure that the correct surface pre-treatment has been carried out, and that drying and overcoat times are observed. Ensure the surface is clean, dry and intact using high performance solvent cleaner DeSoto® CN20 or Desoclean™ 45 solvent cleaners are recommended.

Instructions for Use



Hand stir or shake the base component to ensure adequate dispersion. Add the activator to the base, thoroughly stir until a smooth uniform mix is obtained. Finally add thinner and stir well before use.

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:

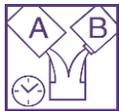
Not required



Viscosity: (23°C/73°F)

- | | |
|----------|-----------------|
| • AFNOR4 | 18 - 25 seconds |
| • BSB3 | 20 - 47 seconds |
| • BSB4 | 20 - 26 seconds |
| • FORD4 | 16 - 22 seconds |
| • ISO4 | 30 - 45 seconds |
| • ZAHN2 | 21 - 29 seconds |

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



Pot Life:

2 hours @ 21 - 25°C (70 - 77°F)

Application Guidelines

Recommended Application Conditions:

Temperature 15 - 30°C (59 - 86°F)
Relative Humidity 30 - 80%

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Application:

Apply several light coats to reach the recommended dry film thickness 40 - 55 μm .

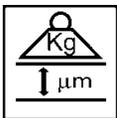


Theoretical Coverage: (ready for use)

7 m^2 Lt @ 50 μm dry film thickness
280 ft^2 US gal @ 2 mil dry film thickness

Recommended Dry Film Thickness:

40 - 55 μm
1.6 - 2.2 mil



Dry Film Density:

1.7 g/cm^3
14.2 lbs/US gal

Dry Film Weight:

85 g/m^2 @ 50 μm dry film thickness
0.017 lbs/ ft^2 @ 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:



Equipment	Tip Size	Air Pressure
Pneumatic Application	15/10 mm	43.5 to 58 psi (3 to 4 bar)
Airless	0.33 mm	1740 to 1885 psi (120 to 130 bar)
Conventional Air Spray	1.5 mm	43 to 58 psi (3 to 4 bar)

Equipment Cleaning:

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

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Physical Properties



Colour:
Grey

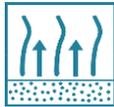


Gloss:
Not applicable



Drying Times @ 50 % R.H.	23°C (73°F)	60°C (140°F)
Dry to Touch	90 minutes	
Dry to Handle	4 hours	30 minutes
Dry to Tape	8 to 10 hours	
Dry to Overcoat	1 to 72 hours	
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:
20 minutes at ambient temperature



VOC: (ASTM)

Mixed ready for use	560 g/Lt
5420/2620 Base Component	500 g/Lt
0709/9000 Activator	460 g/Lt
0491/9000 Thinner	840 g/Lt



Flash Point:

5420/2620 Base Component	29°C (84°F)
0709/9000 Activator	47°C (116°F)
0491/9000 Thinner	-3°C (27°F)



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Shelf Life:

5420/2620 Base Component	18 months in original unopened container
0709/9000 Activator	18 months in original unopened container
0491/9000 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

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

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ASC – Australia
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PPG Aerospace

Sealants and Coatings

Darlington Road

Shildon, Co Durham UK

DL4 2QP

www.ppgaerospace.com

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