

## Z-6148 Peelable Preservation Topcoat

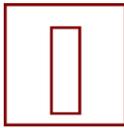
### Product description

Z-6148 is water-borne preservation topcoat designed to be applied over Z-6160 peelable preservation basecoat. Formulated for protection of plastic, metal, porcelain and painted surfaces during in-plant fabrication, operation, shipping and storage. Z-6148 will provide the following to the peelable preservation basecoat: waterproof properties, both light and heat reflection, and increased weatherability.

Z-6160 and Z-6148 gives the user an all water-based system that permits application anywhere in the plant without danger from fire or toxic odor. Further, since the Z-6160 does not have to be fully dry before the application of Z-6148, it permits a very short application cycle. Z-6148 has the ability to dry rapidly to a rain resistant coating while allowing the Z-6160 beneath it to continue its cure process.

- Water-based
- Nonflammable in liquid form
- Service life 12 months indoors/outdoors

### Components



#### **Mix ratio (by volume):**

- Z-6148

Single component, ready to use coating

### Specifications



Z-6148 meets the following specification:

- MIL-PRF-6799 Type II Class 6A

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

### Surface preparation and pretreatments



Apply to oil and dirt free surfaces.

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## Instructions for use



### **Mixing Instructions:**

Z-6148 is ready to use with no additional components. Check to ensure that no freezing has occurred during shipping or storage period. Upon opening container, manually stir thoroughly to overcome any settling. If using mechanical paint shaker, the recommended mix time is 5 minutes.



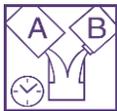
### **Induction time:**

Not Required



### **Viscosity:** (23°C/73°F)

2,000 - 6,000 cps



### **Pot life:**

Not Applicable

## Application guidelines

### **Recommended application conditions:**

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

### **Application:**

After the film of Z-6160 basecoat has dried enough to lose its gloss, it should then be overcoated with Z-6148 preservation topcoat to a thickness of 2 mils (.002"). The two coatings, Z-6160/Z-6148, will reach full dryness together. Under conditions of 50% relative humidity and 21°C (70°F), about two hours drying time provides a rain resistant coating. Full cure for the system is 16 hours. In direct sunlight or with high air circulation and warm temperatures, the drying time is even less. Under conditions of high relative humidity, the time required for the topcoat to dry will increase.

*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.*

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## Theoretical coverage:

56 square meters/liter at 25 microns dry film (600 square feet/gallon at 1 mil dry film)  
Recommended dry film thickness; 75 microns (3 mils)



## Equipment:

Z-6148 is compatible with the following spray equipment

Equipment type	Tip size	Pressure	Atomization pressure at the cap
Air Assisted Airless Spray Gun	#613 to #615 (Graco Nomenclature)	Pump pressure 700 to 1200 psi (48 to 82 bar)	40 to 60 psi (2.8 to 4.1 bar)
High Volume Low Pressure Spray Gun (HVLP)	1.5 mm to 1.8 mm	10 to 20 psi (0.69 to 1.4 bar)	10 psi maximum (0.69 bar)
Conventional Air Spray Gun	1.5 mm to 1.8 mm	10 to 20 psi (0.69 to 1.4 bar)	45 to 60 psi (3.1 to 4.1 bar)

## Equipment cleaning:

Flush spray equipment ONLY with water.

## Physical properties (product)



**Color:** White



**Gloss:** Not Applicable

**Percent solids:** 48 ± 1%



Dry times below are for system of Z-6160 basecoat and Z-6148 topcoat

Dry Times	22 - 28°C (71 - 84°F)
Rain resistant	2 hours
Full cure	16 hours

*Note: In direct sunlight or with high air circulation and warm temperatures, the drying time will decrease. Under conditions of high relative humidity, the time required for the topcoat to dry will increase.*

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**VOC**

VOC (EPA method 24):

Z-6148

<12 grams/liter

**Physical constants:**

Weight/gallon

9.7 ± 0.2 pounds/gallon



**Flash point closed cup:**

Z-6148

<93°C (200°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 13°C to 32°C (55°F to 90°F) to ensure shelf life. Never allow this product to freeze. Once frozen, application and protective properties are unstable and not warranted.

*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](http://www.ppgaerospace.com)**

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

# Z-6148 Peelable Preservation Topcoat

## Asia Pacific

**ASC – Australia**  
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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

## Americas

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

## 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

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