

## Z-6160 Peelable Preservation Basecoat

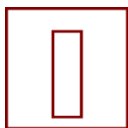
### Product description

Z-6160 is a sprayable, peelable preservation coating formulated for protection of plastic, metal, porcelain and painted surfaces during in-plant fabrication, operation, shipping and storage.

- Chrome-free
- Corrosion resistant
- Water-borne
- Nonflammable in liquid form
- Low heavy metals content
- Suitable for use on nuclear equipment
- 12 month service life for indoor or outdoor storage

Z-6160 can be used alone or for added exterior durability it can be overcoated with Z-6148 preservation topcoat.

### Components



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

- Z-6160

Single component, ready to use coating

### Specifications



Z-6160 meets the following specification:

- MIL-PRF-6799 Type II Class 1A

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

### Surface preparation and pretreatments



Apply to oil and dirt free substrates.

### Instructions for use



#### **Mixing Instructions:**

Z-6160 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 a mechanical paint shaker, the recommended mix time is 5 minutes.

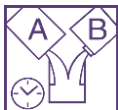
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**Induction time:**

Not Required

**Viscosity:** (23°C/73°F)

12,000 to 25,000

**Pot life:**

Not Applicable

## Application guidelines

**Recommended application conditions:**

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

**Application:**

When applying over lacquered surfaces ensure that the lacquer film is fully dry. When used over enamel, urethane or epoxies, ensure that these are fully cured per the manufacturer's recommendations, before using Z-6160. For equipment which will be stored indoors, be sure to apply a minimum film thickness of 4 mils (.004"). A .004" film can be applied to a vertical surface in one coat. On equipment to be stored for many months exposed to rain, sun and snow, we recommend that an 8 mil (.008") film be applied in two coats, drying one hour between coats. After the film has dried enough to lose its gloss, it should then be overcoated with Z-6148 preservation topcoat to a thickness of 2 mils (.002").

*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.*

**Theoretical coverage:**

55.8 square meters/liter at 25 microns dry film (600 square feet/gallon at 1 mil dry film)

Recommended dry film thickness for indoor storage; 100 microns (4 mils)

Recommended dry film thickness for outdoor storage; 200 microns (8 mil)

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## Equipment:

Z-6160 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:** Black



**Gloss:** Not Applicable

**Elongation:** 200%

**Non-volatiles:** 37.5% minimum

**Tensile strength:** 2900 psi minimum

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| Dry Times 22 - 28°C (71 - 84°F)         |   |
|---|---|
| Time between coats                      | 1 hour  |
| Full cure                               | 16 hours  |
| Overcoat time with Z-6148 if applicable | After last coat of Z-6160 has lost its gloss the Z-6148 can be applied. The system will dry together, achieving full cure in 16 hours |

Drying can be accelerated by circulation of warm air.

*Note: For indoor storage only one coat is required, for outdoor storage two coats are recommended.*

## VOC

### VOC (EPA method 24):

Z-6160 <12 grams/liter

### Physical constants:

Weight/gallon 8.6 ± 0.2 pounds/gallon



### Flash point closed cup:

Z-6160 >93.3°C (200°F)

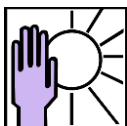
### Shelf life:

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.

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*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:**

### **Asia Pacific**

#### **ASC – Australia**

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