CA7330BP0802 Intumescent Coating

TECHNICAL DATA SHEET

Product Description

CA7330BP0802 is a single pack, thin film, water borne intumescent coating, used as fire protection for composite and aluminium engine coatings and nacelles.

- Provides up to 90 minutes protection from cellulosic fires
- Easy on-site application
- Up to 700 µm dry film thickness in a single coat

Components

Mix Ratio (by weight)

- CA7330BP0802 (Base) 1 part
- Water (Thinner) 10% max

Specifications

CA7330BP0802 is qualified to:

PPG Standard only

Product Compatibility

CA7330BP0802 can be overcoated with 9008B0900D

*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 cleaner, DeSoto® CN13 solvent cleaner is recommended. Substrate temperature should be at least 3°C (37 °F) above dew point during application and drying.
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Instructions for Use

Stir product thoroughly till homogeneous and smooth consistency is achieved. Thin with up to 10% tap water if required. Adding excess water can result in reduced sag resistance.

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: unthinned (23°C/73°F)
- 55-65 Pa.s before thinning

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

Pot Life:
N/A

Application Guidelines

Recommended Application Conditions:
Temperature 10 - 40 °C (50 - 104 °F)
Relative Humidity < 80%

Application:
Product can be applied by spray, brush or roller

Theoretical Coverage: (ready for use)
1.3 m²/Lt @ 550 µm dry film thickness
52 ft²/US gal @ 22 mil dry film thickness

Recommended Dry Film Thickness:
Spraying
200 - 700 µm
8 - 28 mil

Brushing
300 µm
12 mil

Dry Film Density:
1.77 g/cm³
14.77 lbs/US gal
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Dry Film Weight:
974 g/m² @ 550 µm dry film thickness
0.20 lbs/ft² @ 22 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:**

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Tip Size</th>
<th>Air Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airless Spray</td>
<td>0.45 to 0.53 mm</td>
<td>2800 psi (200 bar)</td>
</tr>
</tbody>
</table>

CA7330BP0802 can also be brush applied. No water should be added.

**Equipment Cleaning:**

Equipment should be rinsed with water before and after use.

### Physical Properties

**Colour:**
Matt White

**Gloss:**
N/A

<table>
<thead>
<tr>
<th>Drying Times 50% R.H.</th>
<th>23°C (73°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust Free</td>
<td>2 hours</td>
</tr>
<tr>
<td>Overcoat with self</td>
<td>16 hours (min.) Unlimited max</td>
</tr>
<tr>
<td>Overcoat with solventborne topcoats</td>
<td>18 hours (min) Unlimited max</td>
</tr>
<tr>
<td>Full Cure</td>
<td>7 days</td>
</tr>
</tbody>
</table>

*Note: Drying times listed above are dependent upon film thickness applied, air flow conditions and application technique.*
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Flash Off Time:
Not applicable

VOC: (ASTM)
CA7330BP0802 Base 30 g/Lt
Water Thinner 0 g/Lt

Flash Point:
CA7330BP0802 Base Not applicable

Shelf Life:
CA7330BP0802 Base 12 months 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.
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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