

# SC-1074B-2 Black Peelable Preservation Coating

## TECHNICAL DATA SHEET

### Product Description

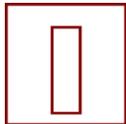
SC-1074B-2 is a sprayable, peelable preservation coating formulated for protection of plastic, metal, porcelain and painted surfaces during in-plant fabrication, operation, shipping and storage. SC-1074B-2 contains low content of heavy metals and is suitable for surfaces used in nuclear applications.

- Chrome-Free
- Corrosion resistant
- Water-borne
- Nonflammable in liquid form
- 12 month service life for indoor or outdoor storage

For application on parts with gaps or openings such as seams, butt or lap joints, access doors, windows etc. measuring less than 1/4 inch, the use of SC-10763-3 caulking compound is recommended. The SC-1076-3 caulk will fuse with the SC-1074B-2 peelable preservation basecoat when applied and later be removed as a single film.

SC-1074B-2 preservation basecoat can be used alone or for added exterior durability it can be over-coated with SC-1090, SC-1091-1 or SC-1095 preservation topcoat for a complete peelable preservation system. For nuclear applications use with SC-1090-1 preservation topcoat.

### Components



#### Mix ratio (by volume):

- SC-1074B-2

Single component, ready to use coating

### Surface Preparation and Pretreatments



Apply to dirt and oil free surfaces.

### Instructions for Use



#### Mixing Instructions:

SC-1074B-2 is a single component coating, no mixing required.

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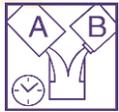
**Induction Time:**

Not Required



**Viscosity:** (23°C/73°F)

- Krebs Units 85 - 90



**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.

If SC-1076-3 caulking compound is utilized, allow the caulk to dry for one to two hours before applying SC-1074B-2 basecoat.

Using standard good atomizing spray equipment (e.g. DeVilbiss MBC gun, FF nozzle, and #765 air cap) with pressure feed, a 4 mil (.004") film can be applied to a vertical surface in one coat. Atomization pressure of 75 pounds per square inch and sufficient pot pressure (5 pounds per square inch) to obtain proper fluid delivery, is recommended. Airless spray can also be used, such as Graco #205-904 with a 163-618 insert and a 28:1 ratio pump. Drying can be accelerated by circulation of warm air.

**Special Instructions:**

Be sure to apply full film thickness of 4 dry mils. On equipment to be stored for many months exposed to rain, sun and snow, we recommend that an 8 mil (.008") dry 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 SC-1090, SC1090-1 or SC-1095 preservation topcoat to a thickness of 2 dry mils (.002").

## SC-1074B-2 Black Peelable Preservation Coating

*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; 100 microns (4 mils) for dry indoor storage

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



### Equipment:

SC-1074B-2 is compatible with most forms of spray equipment, see application section for more details.

### Equipment Cleaning:

Flush spray equipment ONLY with water.

## Physical Properties (product)



**Color:** Black



**Gloss:** Not Applicable

**Elongation:** 150%

**Non-Volatiles:** 37.5% minimum

**Tensile Strength:** 1700 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		
SC-1090		If required
SC-1095		See Application Guideline Section

*Note: For outdoor storage, a topcoat of SC-1090 or SC-1095 is required.*



## VOC (EPA method 24):

SC-1074B-2 12 grams/liter

## Physical Constants:

Weight/gallon 8.6 ± 0.2 pounds/gallon



## Flash point closed cup:

Water Based 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.*

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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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