

SC-1071 Clear Peelable Temporary Protective Coating

TECHNICAL DATA SHEET

Product Description

SC-1071 is a clear, peelable, water dispersion coating formulated for protection and masking of plastic, glass and painted surfaces. It is used for protecting surfaces from damage due to scratches or paint overspray during fabrication, shipment and indoor storage.

SC-1071 is designed for indoor use. If the surfaces are to be subjected to extended exposure to ultraviolet rays from sunlight or from artificial light, we recommend the use of a pigmented temporary protective coating. Contact your local application support center for assistance with product information.

- Water-based
- Non-flammable in liquid form
- Excellent tensile strength and elasticity
- Resistant to dirt, oil, grease and paint overspray
- Compatible with most spray equipment
- Easy to remove peelable film, does not require chemical strippers
- 12 months service life

Components



Mix ratio (by volume):

- SC-1071

Single component, ready to use product

Surface Preparation and Pretreatments



Apply to dirt and oil free surfaces.

Instructions for Use



Mixing Instructions:

SC-1071 is ready to use with no additional components. Check to ensure that no freezing has occurred in shipping or during storage period. Upon opening container, manually stir thoroughly to overcome any settling. Avoid shaking as product can foam when agitated.

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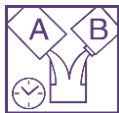
Induction Time:

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:

SC-1071 is a high viscosity compound which is sprayable but can also be applied by brushing. Using standard good atomizing spraying equipment, (e.g. DeVilbiss MBC gun, FF nozzle, No. 765 air cap) with pressure feed, a .004" film can be applied to a vertical surface in one coat. Atomization pressure of 75 psi and sufficient pot pressure (5 psi minimum) to obtain proper fluid delivery is recommended.

Airless spray can also be used such as Binks Model 43F gun and a 25:1 ratio pump or Graco #205-904 with a 163-618 insert and a 28:1 ratio pump.

Note: 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.

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:

56 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)

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Equipment:

SC-1071 is compatible with most forms of spray equipment. See Application section for details.

Equipment Cleaning:

Flush spray equipment ONLY with water.

Physical Properties (product)



Color: Clear



Gloss: Not Applicable

Tensile Strength: 1700 psi minimum

Elongation: 150%



Dry Times	22 - 28°C (71 - 84°F)
Tack Free	1 hour
Full Tensile	12 hours

Drying can be accelerated by warm air.



VOC (EPA method 24):

SC-1071 12 grams/liter

Physical Constants:

Weight/gallon: 8.5 ± 0.2 pounds/gallon

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Flash point closed cup:

SC-1071

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. This is a water-base compound and should be protected from freezing. 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

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

Asia Pacific

ASC – Australia

Tel 61 (3) 9335 1557
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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