



Jet Glo[®] Conventional

570 Series (U Colors)

ADVANTAGES

- A proven performance coating within the aviation industry for over 25 years.
- Superior Distinctness of Image (DOI) and high gloss appearance.
- Long-term durability including outstanding color retention.
- High resistance to hydraulic jet fluid, fuel, salt, and ultraviolet rays.
- Easy mix ratio.
- Levels to a smooth, easy-to-clean finish.
- Unlimited colors available.

DESCRIPTION

Jet Glo[®] is a high-performance, multi-component polyester urethane, designed for exterior use on high performance general aviation, business jet, and commercial aircraft. Jet Glo[®] has outstanding high-gloss appearance, durability and Skydrol fluid resistance with Sherwin-Williams Aerospace primers.

COATING PROPERTIES

| Solids: | Base Component | Admixed |
|--------------------|-----------------------|-----------------|
| By weight | 42.5 - 69.0% | 41.2 - 57.4% |
| By volume | 35.6 - 50.4% | 34.7 - 42.1% |
| Wt./Gal. | 8.7 - 12.3 lbs. | 8.4 - 10.2 lbs. |
| Sp. Gravity | 1.044 - 1.476 | 1.008 - 1.224 |

Viscosity–Sprayable

| | |
|-------------------------|---------------|
| Gardner #2 Zahn Cup | 16-18 seconds |
| ISO 2431 3mm Cup –Sheen | 45-65 seconds |

Admixed V.O.C. (Mixed 1:1)

| | |
|---------------------|-------------------------|
| U.S. Exempt Solvent | <5.0 lbs./gal (600 g/L) |
| Non-Exempt Solvent | <5.0 lbs./gal (600 g/L) |

Useable Pot Life

| | |
|----------------|---------|
| at 77°F / 25°C | 4 Hours |
|----------------|---------|

Gloss:

| | |
|-----------|-----------|
| 60 degree | 90+ units |
| 20 degree | 80+ units |

Theoretical Coverage

| | |
|----------------|------------------------------------|
| Per dry mil | 555-675 sq. ft. ² /gal. |
| Per 25 microns | 13.5-16.5 m ² /L |

Dry Film Weight

| | |
|----------------|----------------------------------|
| Per dry mil | .0058-0087 lbs./ft. ² |
| Per 25 microns | 28-42 g/m ² |

SHELF LIFE

Shelf Life is applicable only for materials stored in unopened and undamaged original factory filled containers.

Minimum Storage Temp: 40°F / 4°C

Maximum Storage Temp: 100°F / 37°C

CM0570XXX (U-colors) Base Component: 3 years

CM0578520: 2 years

Aerosol Touch –up Kits: 1 year

Cool, Dry Storage Required.

SURFACE PREPARATION

Primed Surface

Jet Glo[®] should be applied to a surface that has been coated with an approved, properly prepared and applied Sherwin-Williams Aerospace primer system.

Refer to Sherwin-Williams Primer Product Data Sheets (such as Corrosion Primers CM0483660 and CM0724400 and Sanding Surfacer CM0482300, CM0560563 and CM0560566); training guides; and your Sherwin-Williams Representative for complete details.

Topcoat Surface

For best adhesion of trim colors to the cured urethane base coat, a thorough scuff sanding is recommended. Scuff sanding and cleaning will assure long-term durability and adhesion of the applied coating. Refer to Sherwin-Williams' process and training guides for cleaning.

MIXING INSTRUCTIONS

Shake color component for 10-15 minutes before admixing.

Admix by Volume:

1 Part Jet Glo[®] Color
(U- Color Numbers)

1 Part Jet Glo Hardener
CM0578520

Add the Hardener into the Color Component.

Admixed product should be allowed a 30-minute induction time for optimum application performance.

Reduce to desired application viscosity with approximately 10-15% thinner. For a three-coat application, use up to 1½ to two times the amount of reducer. (i.e. if adding a quart, then add 1 1/2 to two quarts of thinner for a three coat shoot.)

Available Thinners:

| Temperature | Thinner | Blend |
|-------------------|------------------------|------------------|
| 60-70°F (16-21°C) | CM0110755 | 100% |
| 70-80°F (21-27°C) | CM0110701 | 100% |
| 80-90°F (27-32°C) | CM0110701 CM0110821 | 90-95% 5-10% |
| 90°F+ (32°C+) | CM0110701 CM0110821 | 75-90% 10-25% |

When the relative humidity exceeds 65%, it is recommended to replace 25% of the thinner blend with urethane grade MEK (CM0110308).

It is recommended to filter strain admixed and reduced paint before placing material in containers for spraying.

CM0120975 Accelerator can be used for quick drying times on stripes, registration numbers, and logos. Maximum dosage should be 1/2 fluid ounce per admixed gallon (15 mL per admixed 3.8 Liter).

APPLICATION

This product can be applied using conventional air spray equipment, HVLP, Graco Pro 4500 air electrostatic, or Graco Pro 4500 air assisted airless electrostatic. Please consult your Sherwin-Williams representative for specific equipment settings.

1. Make sure pots, guns, and lines are purged and cleaned.
2. Mix thoroughly and filter strain before spray applying.
3. Spray atomizing pressure: 50-60 psi (3.45-4.15 bar)
Pot pressure: 10-12 psi (0.69 – 0.83 bar) using a 60' fluid hose (3/8" diameter)
Delivery Rate: 8-10 fluid oz (236-295 mL) per minute
3. Always air-blow and tack-wipe the surfaces to be painted. Assure that the aircraft is properly grounded for potential static buildup.
4. Best application results are obtained by applying two medium wet coats, allowing a 30-45 minute "tack-off" period between coats.
5. If the dry time between coats exceeds 24 hours, the surface should be thoroughly abraded.
6. Recommended dry film thickness is 2-3 mils (50-75 microns). Some colors may require thicker films to achieve complete hiding.

NOTE: Application of these product systems requires recommended temperature / humidity conditions and film thickness ranges. The material, hangar, and aircraft skin temperature should be no lower than 55°F / 13°C before, during, and after application.

DRYING SCHEDULE

Dry times are based on the dry film thickness of 2-3 mils (50-75 microns).

Air Dry Times (75°F / 25°C and 50% RH)

| | | |
|---------|-------------------------------------|---------------------------------|
| To Tape | <u>Unaccelerated</u> 16-18 Hours | <u>Accelerated</u> 2-3 Hours |
|---------|-------------------------------------|---------------------------------|

Recoat Time: (maximum) 24 Hours

NOTE: Lower temperatures, heavy film thickness, improper activator range selection and poor air movement will extend the dry time.

EQUIPMENT CLEANUP

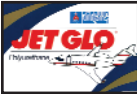

Use clean Ketone-type solvents such as CM0110308 MEK. Do not allow material to cure inside equipment.

PRODUCT INFORMATION

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.

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- 1** Shake the color component CM0570XXX or UXXXXX for 10 - 15 minutes before admixing.
- 2** Add in order shown below. The Hardener should be mixed into the color component. Stir as components are added.

| Order of Addition | Volume | U.S. | | Metric | |
|---|--------|--------|-------|--------|-------|
| | | Large | Small | Large | Small |
|  <p>CM0570XXX UXXXXX Color</p> | 1 Part | 1 Gal. | 1 Qt. | 3.8 L | .95 L |
|  <p>CM0578520 Hardener</p> | 1 Part | 1 Gal. | 1 Qt. | 3.8 L | .95 L |

- 3** Allow admix to induct 30 minutes.
- 4** Reduce to desired viscosity with approximately 10 - 15% thinner using the following chart:

| Temperature | Reducer | Blend |
|-------------------|------------------------|------------------|
| 60-70°F (16-21°C) | CM0110755 | 100% |
| 70-80°F (21-27°C) | CM0110701 | 100% |
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When the relative humidity exceeds 65%, it is recommended to replace 25% of the thinner blend with urethane grade MEK (CM0110308).

- 5** For a three-coat shoot, use up to 1-1/2 to 2 times the amount of Reducer as above. (i.e., if adding a quart above, then add 1-1/2 to 2 quarts of thinner for a three-coat shoot)
- 6** Filter strain and apply.