

Acry Glo[®] High Solids Clear CM0830080

DESCRIPTION

Acry Glo[®] High Solids clear is a high performance, acrylic urethane designed for use on aircraft. This product is intended for clear coating Acry Glo[®] High Solids metallic and solid color base coats.

Advantages:

- Exhibits outstanding gloss and gloss retention upon weathering.
- Excellent Distinctness of Image (DOI).
- Contains less than 3.5 lbs. of VOC per mixed gallon.
- Free of lead and chromate hazards.
- Good Buffing Characteristics.

COATING PROPERTIES

	Base Component	Admixed
Solids		
By weight	62.8%	58.3%
By volume	53.9%	50.0%
Wt. /Gal	8.3 lb/gal	8.3 lb/gal
Specific Gravity:	0.996	0.996
VOC:	<3.5 lbs./gal. (420 g/L)	
Workable Pot Life: (77°F / 25°C)	1.5 hours	
Dry Time:		
Tack Time	20 minutes	
To Tape (77°F, 25°C)	12 hours	
To Tape (120°F, 49°C)	3 hours	
Gloss:		
@ 60°	90+ units	
@ 20°	80+ units	
Theoretical Coverage:		
Per 1 dry mil	800 ft. ² /gal.	
Per 25 μm	19.5 m ² /L	
Dry Film Weight:		
Per 1 dry mil	0.0061 lbs./ft. ²	
Per 25 μm	30 g/m ²	

SURFACE PREPARATION

Acry Glo[®] High Solids Clear should be applied over an Acry Glo[®] High Solids metallic or High Solids color base coat. The clearcoat should be applied 2-3 hours after applying the basecoat, but within 24 hours. If applying the clearcoat to a solid color basecoat that has been allowed to dry longer than 24 hours then the basecoat should be abraded for maximum adhesion. Abrading metallic basecoats is not recommended, therefore it is imperative that clearcoating occurs within the 3-24 hour window.

MIXING INSTRUCTIONS

NOTE: Acry Glo High Solids 830080 Clear Component should be shaker conditioned before admixing.

Pre-shake for 5-10 minutes on a mechanical paint shaker before admixing.

Admix By Volume:

3 parts	CM0830080 Clear
1 Part	CM0830081 Hardener
* Part	Activator (see chart below)

* Available Activators:

For Striping	1/2 Part	Activator CM0830U18
For Large Areas	1/2 Part	Activator CM0830C87
For Striping and Larger Areas	3/8 Part	Activator CM0830H18

Thin to approximately 16-18 seconds on a Zahn #2 cup (45-65 seconds on ISO 24313 mm Cup - Sheen) with approximately 10% CM0110944 Compliant Thinner.

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

Tape time can be accelerated by using CM08181HR.

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 proper equipment settings.

Spray atomizing pressure: 50-60 psi

Pot pressure: 10-12 psi using a 60' fluid hose (3/8" diameter)

Delivery Rate: 8-10 fluid oz per minute



CM0830080

PRODUCT INFORMATION SHEET

Always air-blow and tack-wipe the surfaces to be painted. Assure that the aircraft is properly grounded for potential static buildup.

Best application results are obtained by applying two medium wet coats, allowing a 30-45 minute "tack-off" period between coats. If the dry time between coats exceeds 24 hours, the surface should be thoroughly abraded.

Recommended dry film thickness is 2-3 mils (51-76 μm).

EQUIPMENT CLEANUP

Use clean Ketone-type solvents. Do not allow material to cure inside equipment.

SHELF LIFE

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

Minimum Storage Temp. 40°F / 4°C

Maximum Storage Temp. 90°F / 32°C

CM0830080: 3 years

CM0830081: 2 years

CM0830U18: 2 years

CM0830C87: 2 years

CM0830H18: 2 years

USE OF SYSTEMS STATEMENT

Sherwin-Williams Aerospace coatings have been developed and evaluated for use as complete systems. The Aerospace primers have been developed to be compatible with the Jet Glo[®], Acry Glo[®] and Accent[™] polyurethane coatings. Use of products not manufactured by Sherwin-Williams Aerospace as primer replacements is not recommended and could negatively affect coating appearance, inter-coat adhesion, chemical resistance, and durability of the finish. Use a complete Sherwin-Williams Aerospace system to ensure the long-term integrity of the coating.

HEALTH AND SAFETY INFORMATION

Consult the Material Safety Data Sheets for product information regarding health, physical and environmental hazards, handling precautions and "First Responder" first-aid recommendations.

PRODUCT INFORMATION

Please contact your Sherwin-Williams Aerospace Distributor or Representative for more information.

NOTE: Product Information Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Information 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.