



SKYscapes® General Aviation Clearcoat CM0855CC3

ADVANTAGES

- High gloss, extremely durable product
- Exhibits outstanding gloss and gloss retention upon weathering.
- Good extended buffing characteristics
- Ability to extend wet edge for a controlled application in hot environment or large areas
- Designed to work over Sherwin-Williams SKYscapes® 850 Series or SKYscapes General Aviation 855 series basecoat systems
- Can also be used over Acry Glo® Conventional and Acry Glo® High Solids metallic colors.
- Excellent Distinctness of Image (DOI).

DESCRIPTION

SKYscapes® General Aviation Clearcoat is a high performance, acrylic urethane system designed for use on aircraft. This product is intended for clear coating **SKYscapes® 850 Series** and **SKYscapes® General Aviation 855 Series** base coat colors. Activator selections are available to accommodate variable environmental conditions and aircraft type/size.

COATING PROPERTIES

Solids:	Base Component	Admixed
By weight	62%	42.0%
By volume	54%	37.2%
Wt./Gal.	8.31 lbs./gal.	8.7 lbs./gal.
Sp. Gravity	0.996	1.04

Viscosity–Sprayable
Mixed 3:1:2 14-18 seconds (Zahn #2)

Admixed V.O.C. (3:1:2)
U.S. Exempt Solvent <3.5lbs./gal (420g/L)

Useable Pot Life
at 77°F / 25°C 3 hours

Theoretical Coverage
Per dry mil 596.2 ft.² / gal.
Per 25 microns 14.63 m² / L

Dry Film Weight
Per dry mil 0.0061 lbs. / ft.²
Per 25 microns 29.6 g / m²

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

CM0855CC3:	3 years		
CM0855CH3	2 years		
CM0855CR4	2 years		
CM0840A01	2 years	CM0840A02	2 years
CM0840A03	2 years	CM0840A05	2 years
CM0110099	7 years	CM0110944	7 years

SUITABLE BASECOAT FINISHES

SKYscapes® CM0855CC3 General Aviation Clearcoat can be applied over Sherwin-Williams Aerospace **SKYscapes® 850** or **855** series finishes or **Acry Glo®** or **Acry Glo®** metallic finishes.

Refer to the appropriate PDS sheet for recommended basecoat overcoating times.

MIXING INSTRUCTIONS

NOTE: ° CM0855CC3 clear base component should be thoroughly mechanically shaken to condition the base before admixing.

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

Admix by Volume:

3 Parts	SKYscapes® General Aviation Clearcoat CM0855CC3
1 Part	SKYscapes® General Aviation Clearcoat Hardener CM0855CH3
2 Parts	SKYscapes® General Aviation Clearcoat Activated Reducer See Below

75°F Application & Drying Conditions – 2 mils DFT

Activated Reducers	Wet edge	Typical DTT Times	Ideal application at these conditions
CM0855CR4	40 mins	14 hours	Large General Aviation Full wrap
CM0840A01	40 mins	8 hours	Small General Aviation Full wrap
CM0840A02	40 mins	6.5 hours	Large Stripes, Belly of Aircraft
CM0840A03	30 mins	4.5 hours	Stripes
CM0840A05	15 mins	3 hours	Spot repair, Singular Panel

100°F Application & Drying Conditions - 2 mils DFT

Activated solvent blend	Wet edge	Typical DTT Times	Ideal application at these conditions
25% CM0840A02 75% CM0110944	20 mins	9 hours	Full wrap
25% CM0840A02 75% CM0110099	20 mins	9 hours	Full wrap

Additional Reduction Option

If additional reduction is desired to assist in shear, post flow and levelling; add one additional ½ part CM0110944 (50% hardener volume) to ready to spray mix.

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

APPLICATION

This product can be applied using conventional air spray equipment, HVLP, electrostatic, or 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)
Typical pot pressure: 10-12 psi (0.69 – 0.83 bar)
Typical delivery Rate: 8-12 fluid oz. (236-354 mL) per minute
4. Always air-blow and tack-wipe the surfaces to be painted. Assure that the aircraft is properly grounded for potential static buildup.
5. **Best application results are obtained by applying two medium wet coats, allowing a 30-60 minute “tack-off” period between coats.**
6. Recommended dry film thickness. 2-3 mils (50-75) microns

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.

NOTE: Once the CM0855CC3 Clearcoat is dry to tape, it must be suitably sanded to deglaze the surface before re-application to ensure a suitable mechanical key.

NOTE: Lower temperatures, heavy film thickness, improper activator range selection, poor air movement, equipment type and settings could affect wet edge & dry times.

EQUIPMENT CLEANUP

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

PRODUCT INFORMATION

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