



# SKYscapes® Clearcoat Spot Repair Hardener

CM0850180 / CM0850CH8 / CM0850CR9

## ADVANTAGES

- Designed for spot repairs on Clearcoat.
- Quick drying
- No baking required. Dries quickly at ambient temperatures
- Easy to mix
- Polishes easily
- Polished Clear coat repair will not fade back over time

## DESCRIPTION

SKYscapes® **CM0850CH8** Clearcoat Repair Hardener has been developed for small Clearcoat spot repairs. It is designed to be used on exterior surfaces previously painted with SKYscapes® Clearcoat. It is ideal for a small repair area without having to go to the nearest seam.

## COATING PROPERTIES

Solids:	<u>Sprayable</u>
By weight	51.9%
By volume	45.2%
Density:	1.01
Viscosity–Sprayable Gardner Signature #2 Zahn Cup	14-18 seconds
Mixed V.O.C.	
U.S. Exempt Solvent	<3.5 lbs./gal (420 g/L)
Non-Exempt Solvent	<4.5 lbs./gal (535 g/L)
Useable Pot Life At 77°F / 25°C	3 Hours
Theoretical Coverage	
Per dry mil	725 ft. <sup>2</sup> / gal.
Per 25 microns	17.8 m <sup>2</sup> / L
Dry Film Weight	
Per dry mil	0.0061 lbs. / ft. <sup>2</sup>
Per 25 microns	29.5 g / m <sup>2</sup>

## 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

CM0850180: 3 Years  
CM0850CH8: 7 Years  
CM0850CR9: 7 Years



# BLEND SUPPLY

DISTRIBUTOR OF COATINGS, TOOLS & REFINISH SUPPLIES

817-529-7710 | orders@blendsupply.com

## FADE OUT AREA SURFACE PREPARATION

To remove runs or dirt within the Clear coat use a razor blade, 320-grit D/A papers and or (600+) wet and dry papers.

To obtain adhesion for the clearcoat feathered edge, abrade the immediate and surrounding area using P800 D/A and or (600) wet and dry papers to remove all gloss.

**Note:** The fade out repair has to be contained within the finely sanded area to prevent peel back when polished

## SURFACE CLEANING PRIOR TO CLEARCOATING

Use **CM0110120** Pre-paint Wipe cleaning solvent to remove dust or light contamination. Employ the wipe on wipe off technique. Use clean cloths regularly. Allow CM0110120 to flash off for a minimum of 15 minutes before re-applying Basecoat or clear coat.

## MIXING INSTRUCTIONS

Admix by Volume:

<b>1 Part</b>	SkyScapes™ Clear coat Base <b>CM0850180</b>
<b>1 Part</b>	SkyScapes™ Clear coat Hardener <b>CM0850CH8</b>
<b>1 Part</b>	SkyScapes™ Basecoat Activator / Reducer <b>CM0850CR9</b>

**Stir thoroughly.**

**Note:** Use immediately:

It is recommended to filter strain the admixed clearcoat before placing material in containers for spraying.

## EQUIPMENT

This product can be applied using conventional air spray or HVLP

## TYPICAL FLUID TIP SIZES

HVLP / compliant guns. Fluid Tips 1.3 or 1.4 mm

## REPAIR METHOD

Apply two singular coats 10 minutes apart. Extend the second coat out past the 1<sup>st</sup> coat layer feathering the edge.

Recommended dry film thickness is 1.2 – 2.0 mils (30 -50 microns).

## DRYING SCHEDULE

**DRY TIME TO TAPE:** 2- 3 hours @ 75°F / 25°C and 50% RH

**DRY TIME TO POLISH:** 4 hours @ 75°F / 25°C and 50% RH  
with a 2-3 mil (50-75 micron) film thickness.

**DRY TO FLY TIME:** 4 hours

**NOTE:** Lower temperatures, heavy film thickness, and poor air flow / movement will extend the dry time.

## POLISHING

- Use P1500 or 2000 Abrasive papers using water if required to abrade the newly repaired/original Clear coat burn in edge to remove the gloss.
- Wipe the area dry on a regular basis to check that the orange peel / profile represents the original profile of the surrounding area.
- Apply appropriate compound / polishing products: Apply onto the surface by hand over the sanded / surrounding area.
- Spray on clean water. (Polish type dependant)
- Use an Electric Polisher/Buffer @ 1500 / 1800 rpm fitted with a 100% lamb's wool head to apply light pressure to the surface, keep the polisher moving in sweeping motions across the repair.  
**Note:** Do not excessively polish the feathered edge of the localized paint repair  
**Note:** Do not allow the panel to get too hot to the touch
- Remove any excess polish by hand on a regular basis and observe the gloss recovery.
- Repeat as necessary.

## EQUIPMENT CLEANUP

Use clean Ketone–type solvents such as CM0110308. 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.



**BLEND SUPPLY**

DISTRIBUTOR OF COATINGS, TOOLS & REFINISH SUPPLIES




817-529-7710 | [orders@blendsupply.com](mailto:orders@blendsupply.com)

Sherwin–Williams Aerospace Coatings • 415 E. Commerce Street • Andover, KS 67002  
Tel: 316.733.7576 • Toll Free: 888.888.5593 • Fax: 316.733.1348  
[www.swaerospace.com](http://www.swaerospace.com)

Revision 3, 08/31/2012, Page 2 of 2

# SKYscapes® Clearcoat Spot Repair Hardener CM0850CH8

- 1** Mix by volume.
- 2** Add in order shown below. The Hardener and Reducer should be mixed into the clear component. Stir as components are added.

Order of Addition	Volume	U.S.		Metric	
		Large	Small	Large	Small
 <b>CM0850180</b> Clearcoat	1 Part	1 Gal.	1 Qt.	3.8 L	.95 L
 <b>CM0850CH8</b> Clearcoat Repair Hardener	1 Part	1 Gal.	1 Qt.	3.8 L	.95 L
 <b>CM0850CR9</b> Clearcoat Repair Reducer	1 Part	1 Gal.	1 Qt.	3.8 L	.95 L

- 3** Use mix immediately.
- 4** Typical use of this product is for clearcoat spot repairs without having to go to the nearest edge or seam.
- 5** Filter strain and apply.



## BLEND SUPPLY

DISTRIBUTOR OF COATINGS, TOOLS & REFINISH SUPPLIES  
817-529-7710 | [orders@blendsupply.com](mailto:orders@blendsupply.com)