

Technical Data Sheet

Motor City Clearcoat 8031 is an acrylic urethane clearcoat with a sprayable V.O.C. of 2.1 #/gal. This product can be used with all solvent and water based basecoats. It is suitable for all automotive refinishing as well as trucks and equipment.

SUITABLE SUBSTRATES

Substrate		Substrate		Substrate	
Solvent-borne Basecoat	✓	Waterborne Basecoat	✓	Acrylic Lacquer	
1K Enamel		2K Enamel	✓		
OEM Finish & Old Paint Work - Reversible		OEM Finish & Old Paint Work - Non-Reversible	✓		

MIXING



By Volume: 4 parts 8031 Motor City Low VOC Clearcoat
 1 part 8004/8014 Motor City Activators
 Optional: Up to 5% 6700 or 6700-F Series Urethane Grade Reducer*

Pot Life 2-4 hours (@70°F (21°C) and 50% relative humidity)

* Use reducer according to shop conditions. Using reducers other than Zero VOC Urethane Grade Reducers will increase VOC.

FLASH TIMES/DRY TIMES



Flash Between Coats 5-15 minutes
 Dust Free 10-20 minutes
 Dry to Sand 6-8 hours
 Delivery 12 hours MIN
 Force Drying 40 minutes @ 140°F (25°C) after a 5-10 minute flash

Activator	Flash Time	Dust Free
8004 Fast	5-10 min	10-15 min
8014 Slow	10-15 min	15-20 min

SURFACE PREPARATION



Tack surface thoroughly before application.

SPRAY GUN SET-UP/APPLICATION



Gun Type HVLV/LVLP Gravity Feed
 Fluid Tip 1.2 - 1.4 1.2 - 1.6
 Air Pressure 10 PSI @ aircap 35 - 50 PSI @ gun inlet
 Mil Thickness: 2-3 coats (@ 1.2 mils per coat dry film thickness). Must have a minimum of 2.2 mils.

LIMITATIONS & PRECAUTIONS

- For use only by professional, trained painters. Not for sale to or use by the general public.
- Before use, read and follow all TDS, label and SDS precautions.
- See next page for more detailed production application.

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SPRAY GUN SET-UP

Gun Type	Siphon Feed	Gravity Feed	Pressure Feed	HVLP/LVLP
Fluid Tip	1.2-1.6 mm	1.2-1.6 mm	1.0-1.2 mm	1.2-1.6 mm
Air Pressure	35-50 PSI (@gun)	35-50 PSI (@ gun)	40-50 PSI (@ gun)	10 PSI (@ aircap)
Fluid Pressure	N/A	N/A	8-10 PSI	N/A
<i>Always refer to gun manufacturer's recommendation for proper set up and spray pressure.</i>				

SURFACE PREPARATION

Tack thoroughly before application.
 For blending clearcoat refer to SOP #513 and # 514.

ADDITIVES

Additives: Kicker (6417) - Can be used at a rate of ½ oz per sprayable quart.
 Appearance Improver (6487) - Can be used at a rate of 1-2 oz per sprayable quart.
 Fisheye Remover (6737) - Can be used at a rate of ½ oz per sprayable quart.
 Universal Urethane Flex Additive (9194) - Use with soft, flexible substrates. Refer to TDS for mixing information.

APPLICATION & FILM BUILD

Apply 2 - 3 flowing coats using the spray gun setting listed above. Flash for 5 – 15 minutes depending on activator used (refer to flash/dry times on page one). Keep spray gun nozzle 6 - 10 inches from the vehicle to avoid entrapment of air in paint film. Always keep containers tightly closed to prevent moisture contamination. Clean equipment thoroughly after use.

Critical Recoat Time: Do not flash for more than 1 hour between coats. If more than 1 hour @ 70°F (21°C) is reached, wait at least 5 hours before applying more clear or basecoat. Lightly scuff surface and degrease before application.

Film Build: 2-3 coats @ 1.2 mils. Must have a minimum of 2.2 mils and not to exceed 3.6 mils.

PRODUCT SPECIFICATIONS

Weight per gallon: 9.42	Shelf Life: 3 years
RTS Solids by Weight: 34%	Color: Clear Liquid
Approximate Coverage: 527 ft ² /gal @ 1 mil	Size: Gallon (8031), Quart (8004, 8014)

REGULATORY

Category: Clearcoat	8031	8004	8014
VOC Actual	0.29#/gal (35 g/l)	3.4#/gal (407 g/l)	3.52#/gal (422 g/l)
VOC Regulatory	0.89#/gal (104 g/l)	3.72#/gal (446 g/l)	3.63#/gal (435 g/l)
Weight % of Volatiles	70.02	49.93	46.2
Weight % of Water	0	0	0
Weight % of Exempt Compounds	66.89	11	4
Volume % of Exempt Compounds	66.06	8.62	3
Density of Material #/gal	9.42	8.73	8.34
		with 8004	with 8014
Ready to Use (less water, less exempt compounds)		2.01#/gal (241 g/l)	2.02#/gal (242 g/l)