

GENERAL INFORMATION

CC144 Ultra System Clear Speed Elite is an innovative clear that offers multiple drying options, drying in just 5 minutes at 60°C or at low temperatures for a more economical solution that lowers energy consumption. It offers excellent properties like easy blending, one visit application and outstanding polishability. It comes with a dedicated activator AC44 Ultra System Activator Speed Elite, with a straightforward 1 : 1 mixing ratio. The CC144 Ultra System Clear Speed Elite is perfect for body shops keen to lower energy and resource costs while still delivering a premium finish.

MIXING RATIO



1 : 1 Clear : AC44 Ultra System Activator Speed Elite

In order to obtain optimal adhesion between the clear and the basecoat, the basecoat should be activated using 2% of the U9A44 Ultra System Activator WB.

See Best Practice in TDS of Ultra 9K U9001 - U9999.

COMPONENTS



AC44 Ultra System Activator Speed Elite
R30 Ultra System Reduce Dissolver

Use R30 Ultra System Reduce Dissolver for blending or fade-out areas.

GUN SETUP



	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HE	1,2 - 1,3	1,8-2,0 / 26-29

ADDITIVES



AD820 Ultra System Additive Texture Fine AD830
Ultra System Additive Texture Coarse

APPLICATION



½ + 1 coats / 40 - 50 µm (1,6-2,0 mil)

1,5 coats: No flash off between coats.

SURFACE PREPARATION



Basecoat should be fully dry.

Mask entire vehicle to eliminate unwanted overspray.



FLASH-OFF AND DRY TIMES



Flash-off and Dry Times	Flash-off before bake	Dust free	Dry to handle	Dry to polish
Air Dry 20°C (68°F)	-	20 minutes	45 minutes	45 - 60 minutes
Low Bake 40°C (104°F)	0 - 5 minutes	-	15 - 20 minutes	After cooling down
Forced Dry 60°C (140°F)	0 - 5 minutes	-	5 - 10 minutes	After cooling down

Please refer to the next page for additional drying times.

NEXT LAYER



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INFRARED DRYING



After full flash off and at proper distance	
Half-bake	10 min 60°C
Full-bake	-
See IR Manufacturer information	

SUBSTRATES



U9001 - U9999 Ultra 9K

Basecoat needs to be activated.

POT LIFE AT 20°C (68°F)



25 minutes

ADDITIONAL DRYING INFORMATION



		Drying conditions								
		Air Dry 20°C	Low Bake 40°C	Forced Dry 60°C	Air Dry 20°C	Low Bake 40°C	Forced Dry 60°C	Air Dry 20°C	Low Bake 40°C	Forced Dry 60°C
Relative humidity (outside)	>70%	✓	✓	✗	✓	✓	✗	✓	✓	✗
	50-70%	✓	✓	✓	✓	✓	✓	✓	✓	✗
	30-50%	✓	✓	✓	✓	✓	✓	✓	✓	✗
	<30%	✗	✓	✓	✓	✓	✓	✓	✓	✗
Temperature (outside)		<15°C			15-25°C			>25°C		

✗	Not Recommended
✓	Recommended but drying times may vary from TDS
✓	Recommended

PHYSICAL DATA

EU REGULATIONS CC144 Ultra System Clear Speed Elite		
VOC Code		2004/42/IIIB(d)(420)357
Product sub category (according directive 2004/42/EC) and max VOC content (ISO 11890-1/2) of the ready to use product		IIB/d. Topcoat - All types. EU limit values: 420 g/l (2007). This product contains a maximum of 357 g/l VOC.
Chemical Base	Solventborne 2K Polyurea	
Physical Properties	Viscosity (RTS)	13-15 Dincup 4 / 20°C
	Density (kg/l)	1,016
	Flash Point Closed Cup	9°C / 48.2°F
	Volume % Solids	59
	Economy	11.8 m²/L/50 µm 481 ft²/Gal/2 mil
	Gloss	High Gloss
	Colour	-

PROTECTION



Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).

For more detailed information please visit the following link for the Safety Data Sheet:

<https://sds.sherwin-automotive.com/en>

CLEANUP



CL780 Ultra System Clean Gun Solvent

Clean spray gun immediately after use.

STORAGE / SHELF LIFE



Minimum 1 year; (Under normal storage conditions 10°C - 30°C / 50°F - 90°F) (unopened container).

NOTES



All reported product properties on the TDS are determined at a temperature of 20°C / 68°F unless specified otherwise.