



ULTRA 9K

U9001 - U9999

GENERAL INFORMATION

Ultra 9K is an easy to apply waterbased, clear over base system with a wide range of toners that can match all OEM colours currently available in the market.

MIXING RATIO



Reducer is implemented in the colour formulation.
Custom made formulas add 10-20% U9R1 Ultra System Standard Reducer.



Shake lightly.

GUN SETUP



	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1,3	Please see appendix attached
HE	1,3	Please see appendix attached

APPLICATION



Re-coat with suitable clear coat within 8 hours.
After 8 hours scuff and re-apply base coat.

FLASH OFF AND DRY TIMES



AIR DRY 20°C / 68°F		FORCED DRY 60°C / 140°F	
Flash off	Until dry	Flash off	-
Dust free	-	Dust free	-
Dry to handle	-	Dry to handle	-
Dry to tape	-	Dry to tape	-
Dry to sand	-	Dry to sand	-
Dry to polish	-	Dry to polish	-



SUBSTRATES



U9001 - U9999 Ultra 9K should only be applied over well sanded/scuffed and degreased primed bare steel, primed aluminium and primed plastic. Well sanded GRP, OEM primer and old paint systems in good condition.

Please make sure you choose a suitable primer/surfacer by checking the TDS of the primer/surfacer.

POTLIFE



6 months

Potlife mentioned is only for ready to spray colours.

COMPONENTS



U9R1 Ultra System Standard Reducer

ADDITIVES



U9A1 Ultra System Underhood Additive
UFX1 /.../ UFX7 FX Series

When adding UFX1 /.../ UFX7 FX Series shake the small bottle intensively for 2 minutes before use.

SURFACE PREPARATION



Pre clean the surface with CL710 Ultra System Clean Surface Water wipe on and wipe dry. Sand surface with P400 or finer grit abrasive. Remove all sanding debris with compressed air, sanding vacuum and clean with CL710 Ultra System Clean Surface Water wipe on and wipe dry.



Mask entire vehicle to eliminate unwanted overspray.

NEXT LAYER



CC120 Ultra System Clear Speed SR
CC130 Ultra System Clear Multi Dry
CC140 Ultra System Clear Elite Gloss
CC154 Ultra System Clear Matte Repair LG
CC156 Ultra System Clear Matte Repair SG
CC166 Ultra System Clear Speed

INFRARED DRYING



After full flash off and at proper distance	
Half-bake	5 min 60°C
Full-bake	
See IR Manufacturer information	

PHYSICAL DATA

EU REGULATIONS ULTRA 9K U9001 - U9999		
VOC Code	2004/42/IB(d)420)418	
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 418 g/l VOC.	
Chemical Base	Acrylic dispersion	
Physical Properties	Viscosity (RTS)	-
	Specific Gravity (kg/l)	1.008
	Flash Point Closed Cup	61°C / 141,8°F
	Volume % Solids	14
	Economy	7 m ² /L/20 µm 280 ft ² /Gal/0,8 mil
	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



CL720 Ultra System Clean Gun Water

After cleaning the spray gun thoroughly blow dry the spray gun with compressed air.

STORAGE/SHELF LIFE



Minimum 1 - 3 years; (Under normal storage conditions 5°C - 30°C / 40°F - 85°F) (unopened container).

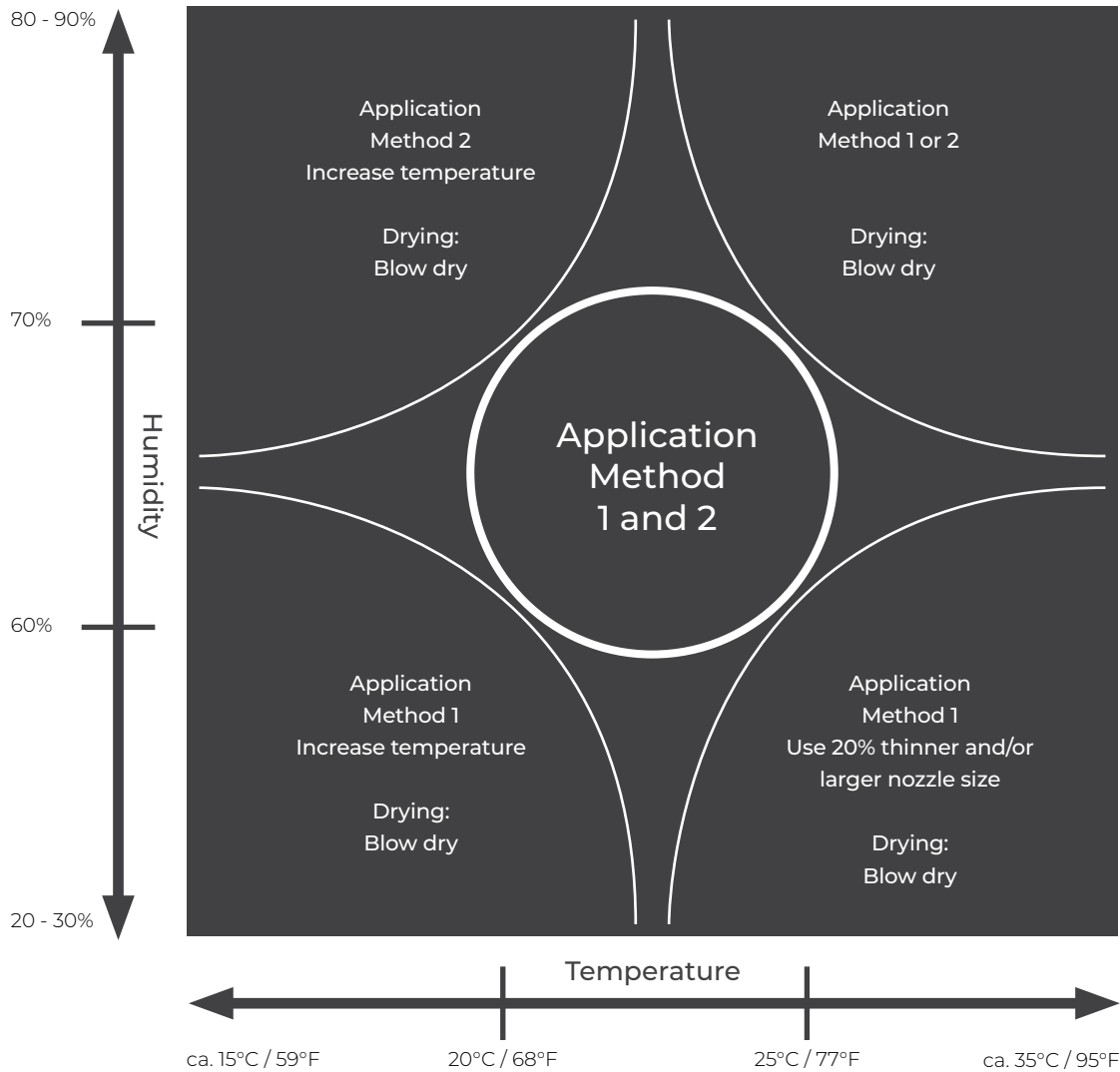
To prevent freezing, do not expose the product to temperatures below 10°C / 50°F during transportation and storage.

NOTES



BEST PRACTICES

Water Basecoat Application



APPLICATION METHOD 1:

	DESCRIPTION	AIR PRESSURE (BAR / PSI)
STEP 1	Two singles wet coats, wet on wet to cover	2 bar / 29 psi
STEP 2	Blow dry untill matt at 30 - 35°C / 85 - 95°F	
STEP 3	Drop coat (effect colours only)	1 bar / 14,5 psi
STEP 4	Blow dry untill matt at 30 - 35°C / 85 - 95°F	



NOTE:
Surface must be carefully cleaned.
If necessary, first apply a mist coat and blow dry.

APPLICATION METHOD 2: *

	DESCRIPTION	AIR PRESSURE (BAR / PSI)
STEP 1	First single wet coat	2 bar / 29 psi
STEP 2	Blow dry untill matt at 30 - 35°C / 85 - 95°F	
STEP 3	Second single wet coat	2 Bar / 29 PSI
STEP 4	Blow dry untill matt at 30 - 35°C / 85 - 95°F	
STEP 5	Drop coat (effect colours only)	1 Bar / 14,5 PSI
STEP 6	Blow dry untill matt at 30 - 35°C / 85 - 95°F	

At temperatures between 20 - 25°C and a relative humidity between 60 - 70%, both application methods 1 and 2 are recommended.
* Application 2 is preferred for deep black solid colours to achieve the darkest shade.

PREPARATION



Colour check

Always determine the right colour and/or colour variant. This should be done at the earliest stage possible, preferably when estimation of the repair is done. Creating a spray-out at this stage is best practice.



Cleaning

Clean with CL790 Ultra System Clean Solvent and/or CL710 Ultra System Clean Water



Protection

Use suitable respiratory protection (fresh air supply respirator is strongly recommended).

STEP 1 Prepare blend area



Dry sanding

Prepare the blending area by dry sanding with DA sander orbit 3-5 grit P1500. Avoid sand through edges.



Wet sanding

Prepare the blending area by wet sanding using grit P2000/P3000.



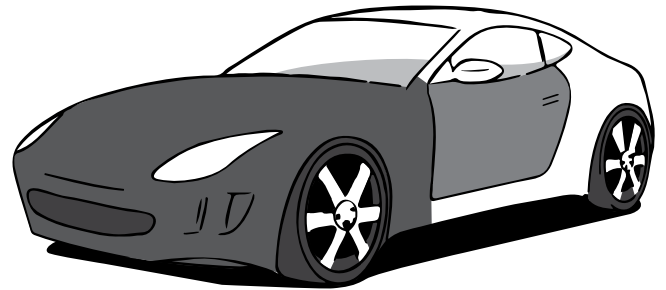
Scuffing

Prepare the blending area by using scuffing pad fine and ultra fine.



Cleaning

Clean with CL790 Ultra System Clean Solvent and/or CL710 Ultra System Clean Water



STEP 2 Mix and application U9020



Blending additive

Mix U9020 Ultra 9K Base Additive with U9R1 Ultra System Reduce Standard

Mixing Ratio

U9020 Ultra 9K Base Additive + 10-20% U9R1 Ultra System Reduce Standard



Application

Apply one flowing coat off U9020 Ultra 9K Base Additive on 2/3 off the blending area.



Gun Setup

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1.1-1.3	2,0 bar / 29 psi
HE	1.1-1.3	2,0 bar / 29 psi



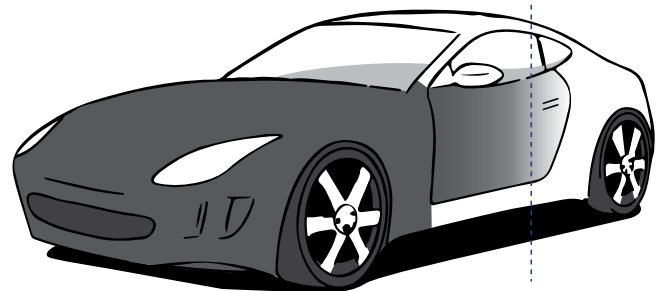
Flash-off

Until a uniform matte surface.



Note

It is also possible to do this process in reverse, apply Ultra9K to full coverage on the repair area, dry the Ultra9K then apply the U9020 Ultra 9K Base Additive mix to the blend area dry and finish the blending process as described.



STEP 3 Application Ultra9K



Application Color
Ultra9K colour formula + 10% U9R1 Ultra System
Reduce Standard
See option in Colour Retrieval System.



Application
Apply 2-3 coats or till covered arcing into blending area. Do not apply color beyond area 3 (See picture).

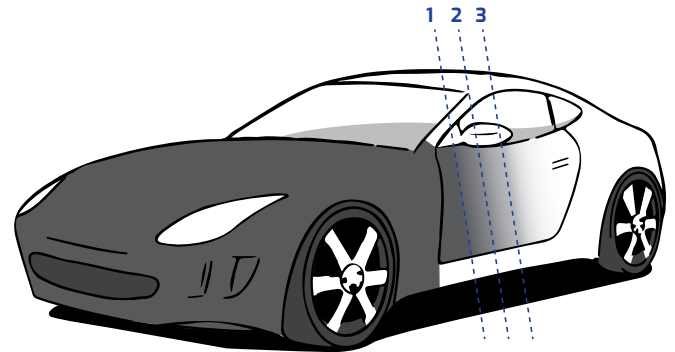


Gun Setup

	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1.1-1.3	2,0 bar / 29 psi
HE	1.1-1.3	2,0 bar / 29 psi



Flash-off
Until a uniform matte surface.



STEP 4 Application Ultra9K drop coat



Application drop coat
Apply drop coat at double distance at 1 bar.
Stay with in the blending area.
Do not apply color beyond area 3 (See picture).



Gun Setup

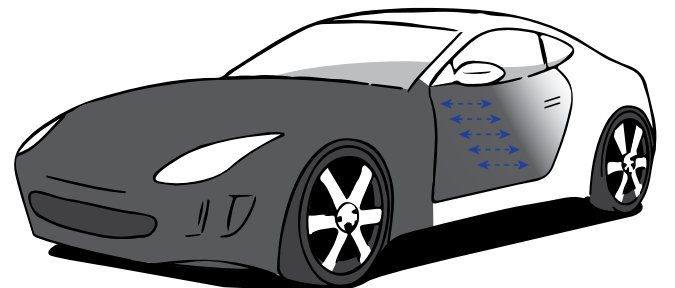
	NOZZLE (MM)	AIR PRESSURE (BAR / PSI)
HVLP	1.1-1.3	1.0bar / 14.5 psi
HE	1.1-1.3	1.0bar / 14.5 psi



Flash-off
Until a uniform matte surface.



The drop coat must be applied for colour and effect, this will also assist colour blending.



STEP 5 Application clear



Select a suitable Ultra System Clear and follow the technical information on the TDS.

