SHERWIN-WILLIAMS
Automotive Finishes

Ultra 9K™ Waterborne Basecoat Intermix Color (U9K)

Questions? Call us at 1-800-798-5872 or log onto www.Sherwin-Automotive.com

PRODUCT TECHNICAL INFORMATION

PRODUCT DESCRIPTION

The Ultra 9K™ Waterborne Basecoat is one of the most user-friendly basecoat systems on the market. Perfected in the lab and proven in the shop, this innovative basecoat is well-suited for premium collision center, dealerships and multi-shop owners.

SURFACE PREPARATION

1. Sealer: Final sand repair area with P400-P600 grit or finer sandpaper.
2. Primer Surfacer: Final sand primer surfacer with P600 grit sandpaper. Dry sanding of the primer surfacer is recommended on a random orbital sander. – Do not wet sand the primer surfacer
3. Blend Panels: If blending is required, sand with P800 grit sandpaper on a random orbital sander.
4. Clean with appropriate Sherwin-Williams® surface cleaner and wipe dry with a clean cloth.

SUITABLE SUBSTRATES

- OEM Finishes
- Aged Refinishes
- P27/P30 Primers and Sealers
- E2A960
- E2W963

NR CLEARCOATS

- CC200 - Dynamic Clearcoat
- HPC15 - HP Process Clearcoat
- 1100755 - Elegance Clearcoat
- 1100727 – Matte Clearcoat
- CC950 – Appearance+ Performance Clearcoat

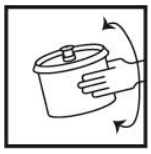
COMPLIANT CLEARCOATS

- HPC21 - HP Process Clearcoat
- 1100755 - Elegance Clearcoat
- 1100727 – Matte Clearcoat
- CC250 – Dynamic+ Clearcoat

GRAY SHADES

If a gray shade undercoat is recommended, you must use as directed in Color Access to ensure proper color match.

MIXING



- Use a new dosing cap each time you replace a new toner.
- When replacing a toner, hand agitate packaging for ~ 45 sec. **Only hand agitate ULTRA 9K™ Toners.**
- Before use, hand agitate toner package for 10 sec. before dispensing.
- Use the Dispensing Extender to dispense paint.

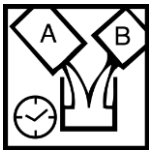


1
Ultra 9K™ Basecoat Color

+

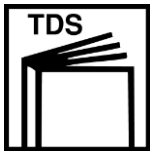


10%
U9R1 Standard Reducer



- Recommended Potlife of reduced Ultra 9K™ basecoat is 6 months (prepare a spray out panel to confirm color).
- Incorporate reducer into Ultra 9K™ Basecoat with a plastic stir stick. **Hand stir only.**

NOTES



- Ultra 9K Basecoat products must be stored/transported at temperatures between 40°F and 90°F.
- Recommended strainer: 125 micron.
- Do not add fisheye eliminator to Ultra 9K™ Basecoat Color.
- Ultra 9K™ Basecoat Color may be dry sanded after dehydration with P800 grit or finer sandpaper to remove imperfections. Apply additional basecoat to sanded areas prior to clearcoating.
- Refer to Ultra 9K™ Best Demonstrated Practices: Achieving Color Excellence for shelf life details.

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BASECOAT APPLICATION



- See individual methods for application instructions below.
- Adhere to the outlined spray gun settings for optimal sprayability and color match.
- Dehydrate basecoat till hand slick (see below) prior to dropcoating.
- Dehydrate basecoat till thumbtwist (see below) prior to clearcoating.
- Refer to the Ultra 9K™ basecoat spraygun chart for individual Spraygun settings.

For additional information and details by repair scenario please refer to the Ultra 9K™ Refinish System Best Demonstrated Practices.

TACK COAT

It is recommended that a tack coat be applied prior to coverage coats. The application of this tack coat is threefold:

1) To reveal irregularities on the surface
2) As a "grip coat" for the wet on wet double coat to lay into
3) For faster coverage

Apply a tack coat on all sanded areas. This would include a refinish panel or a blend panel in the event a blender is not used.

Note: The tack coat can be dehydrated using the air flow from the spray gun or a hand held venturi unit. If using the spray gun to blow air, pay close attention that there is no dried material that could transfer onto the panel.

APPLICATION METHOD 1:

WET-ON-WET APPLICATION METHOD

Preferred application method; provides better metal control, speed, ease of application and material transfer.

→ Tack Coat (as needed)
→ Dehydration
→ 1st coat: Full Wet Coat (Coverage Coat)
-- No Dehydration – Immediately followed by
→ 2nd Coat: Medium Wet Coat (Orientation Coat)

Note: Back spray gun up 2" as compared to 1st full coverage coat.

→ Dehydration (hand slick)
→ Drop Coat

Note: Double distance, half the pressure to achieve a uniform dropcoat. Dropcoat for effect colors only

Troubleshooting

Blotchy after 1st coat → Proceed with orientation coat
Streaky after 1st coat → Dehydrate and repeat 1st full coverage coat
Blotchy after orientation coat → Repeat orientation coat

APPLICATION METHOD 2:

OPTIONAL APPLICATION METHOD

Recommended for black solid colors and formulas containing more than 80% black, large repair sizes, and high humidity conditions.

→ Tack Coat (as needed)
→ Dehydration
→ 1st coat: Medium Wet Coat (Coverage Coat)
→ Dehydration (hand slick)
→ 2nd coat: Medium Wet Coat (Orientation Coat)

Note: Maintain spray gun distance to allow for sufficient wetting.

→ Dehydration (hand slick)
→ Drop Coat

Note: Double distance, half the pressure to achieve a uniform dropcoat. Dropcoat for effect colors only

Troubleshooting

Blotchy after 1st coat → Proceed with orientation coat
Streaky after 1st coat → Repeat 1st coverage coat
Blotchy after orientation coat → Repeat orientation coat

MID-COAT APPLICATION METHOD *(FOR 3-STAGE COLORS)*

Preferred application method for mid-coat; provides better metal control, speed, ease of application and material transfer.

→ 1st coat: Medium Wet Coat
→ Dehydration Between Coats **-OR-** Wet-on-Wet Application Between Coats
→ 2nd Coat: Medium Wet Coat (Orientation Coat)

Note: Back spray gun up 2" as compared to 1st full coverage coat.

→ Dehydration (hand slick)
→ Optional Dropcoat (As Needed)

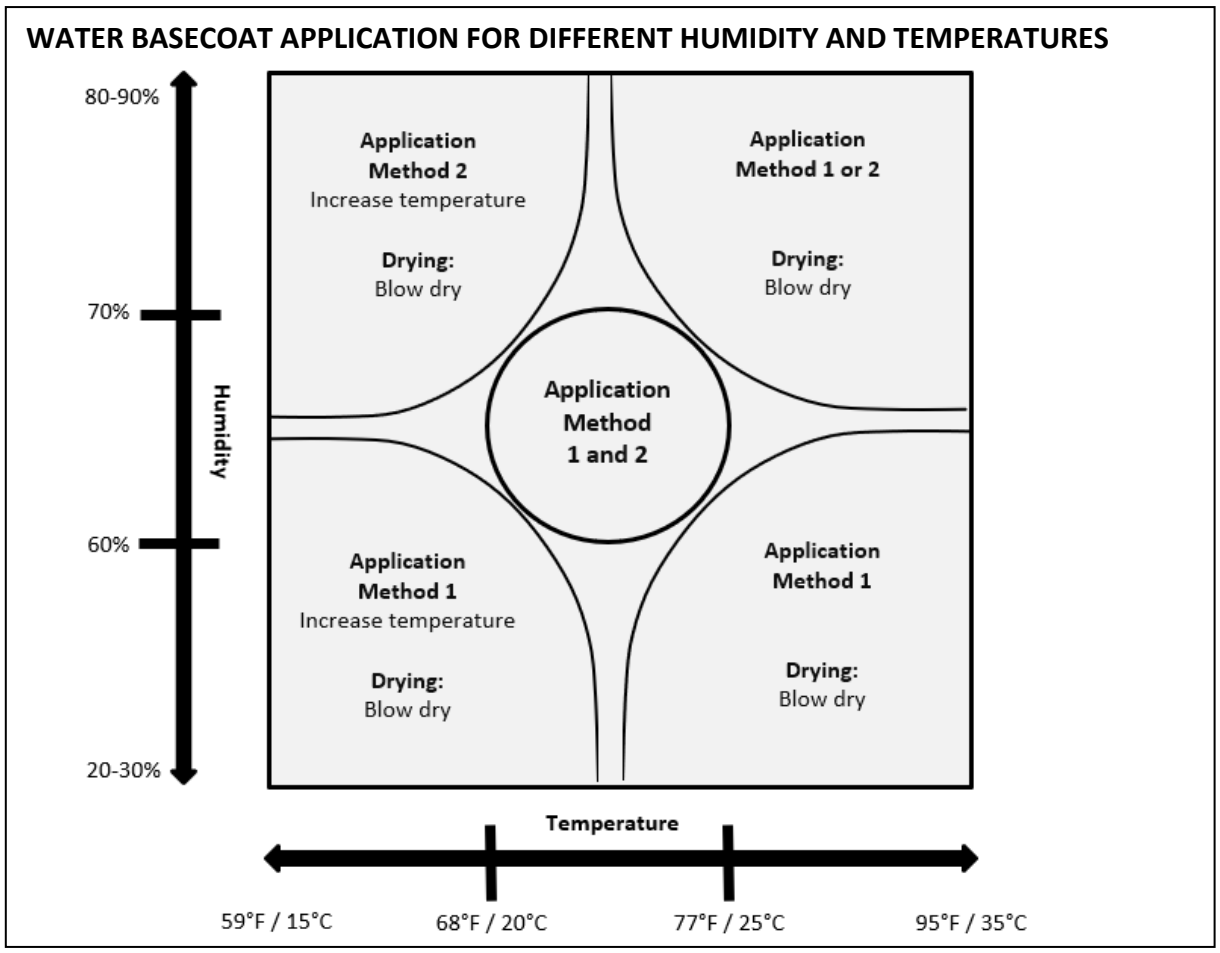
Troubleshooting

Blotchy after 1st coat → Proceed with orientation coat
Streaky after 1st coat → Dehydrate and repeat 1st full coverage coat
Blotchy after orientation coat → Repeat orientation coat

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BASECOAT APPLICATION (continued)



BASECOAT RECOAT



- Apply recommended Sherwin-Williams® Premium Clearcoats over Ultra 9K™ Basecoat Color once fully dehydrated.
- To avoid surface contamination it is recommended to clearcoat Ultra 9K™ Basecoat Color within 24 hours, preferably same day.
- Beyond 24 hours it is advised to scuff, clean and reapply.

DRYING SCHEDULE

Dehydration times between coats of base and base to clearcoat are dependent on temperature, humidity, and airflow. The use of Venturi and heated air diffuser equipment will shorten flash times.

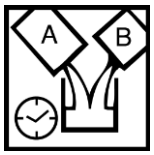
Hand Slick - When a finger is dragged lightly across the paint film and no marks are left behind on the painted surface.
Thumb Twist – Apply moderate pressure with a thumb and rotate or twist the thumb adjacent to the repair panel (i.e. masking tape) Note the reaction of the paint film - if no movement of the film is observed, this is considered passing.
NOTE: Higher humidity will extend flash times. Lower humidity will shorten flash times.

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BLENDER





1
Ultra 9K U9020
Basecoat Additive

+



10%
U9R1
Standard Reducer

- The blender once reduced at 10% with U9R1 has a potlife of 6 months.
- Incorporate reducer into Ultra 9K™ U9020 with a plastic stir stick. **Hand stir only.**
- Recommended strainer: 125 micron.
- Refresh container and filter when using previously reduced or stored material.

BLENDER APPLICATION



- Apply one full even wet coat of blender.
- Dehydrate blender till hand slick.
- Refer to the Ultra 9K™ Basecoat Spraygun Chart for individual spray gun settings.

PERSONAL PROTECTION



- Read label, directions, and SDS before use and refer to SDS for specific information
- Wear a NIOSH approved organic vapor respirator when using this product
- Wear a NIOSH approved dust particulate mask when sanding, mixing or applying this product
- Keep product, paint and overspray off of the skin, wear goggles, coveralls, and chemical protective gloves when using this product.

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REGULATORY DATA

ULTRA 9K™ Waterborne Basecoat INTERMIX COLOR PREFIX U9K						
Mix:	**As Packaged**		**1-PART Ultra 9K™ Basecoat Color**		**1-PART Basecoat Additive U9020**	
			10% U9R1		**10% U9R1**	
Volatile Organic Compounds (follows U.S. EPA VOC Data Sheet)						
Regulatory Data	**As Packaged**		**Ultra 9K™ Basecoat Color As Applied**		**Basecoat Additive As Applied**	
	lb/gal	g/l	lb/gal	g/l	lb/gal	g/l
Density	8.49	1017	8.47	1015	8.38	1004
	% by weight	% by volume	% by weight	% by volume	% by weight	% by volume
Total Volatiles	82.1	85.4	83.7	86.7	85.5	86.6
Water	71.3	72.9	73.6	75.1	82.6	83.3
Exempt Compounds	0.0	0.0	0.0	0.0	0.0	0.0
t-butyl acetate	0.0	0.0	0.0	0.0	0.0	0.0
Organic Volatiles	10.8	12.5	10.1	11.6	2.9	3.3
Percent Non-Volatile	17.9	14.6	16.3	13.3	14.5	13.4
	lb/gal	g/l	lb/gal	g/l	lb/gal	g/l
VOC Total	0.91	109	0.85	102	0.24	29
VOC Less Exempt	3.37	404	3.42	410	1.46	175
Hazardous Air Pollutants (Clean Air Act, Section 112(b))						
	lb/gal	kg/l	lb/gal	kg/l	lb/gal	kg/l
Volatile HAPS	0	0	0	0	0	0
VHAPS of Solids	0	0	0	0	0	0

LABEL CAUTION INFORMATION

See Safety Data Sheet and Labels for additional safety information and handling instructions. Safety Data Sheets for the products contained on this Product Data Sheet can be located at http://www.sherwin-automotive.com. Products shall not be repackaged, modified, blended, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Before opening the packages, **READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For additional product information, please contact (216) 566-2917.

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