



PRODUCT OVERVIEW

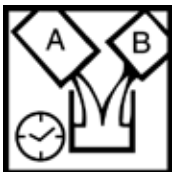
The GENESIS® Low VOC Acrylic Urethane Basecoat/Clearcoat system is extremely durable, provides high gloss and is chemical/solvent resistant. This urethane system is ideal for OEM, fleet, truck and special vehicle finishing. The GENESIS® Low VOC Basecoat locks metallic/mica in position requiring minimal flash before clearcoating. Tape may be applied to GENESIS® Basecoat in one hour and is ideal for doing multiple colors or striping. The system offers a choice of acrylic urethane clearcoats to fit customer requirements.



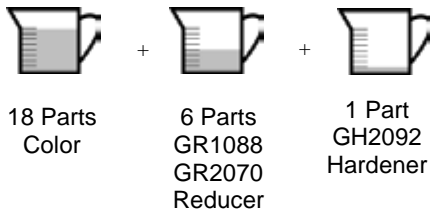
SUITABLE PRIMERS

- G.B.P.® Etching Filler † E2G980
 - PRIME-SHIELD® Urethane Primers
 - E2A820/W823
 - ULTRA-FILL® HS P50
 - SpectraPrime®/SpectraSeal® P30
 - 2.1/3.5 DTM Epoxy Primers, E2B931/W932/A933, E2A960/W963, NP75/NP74W
 - 2.1 DTM Urethane Primers, E2W817/B818/819, E2W805
 - Sherwin-Williams® Recoatable Primer E2W840
- †Consult local regulations for VOC requirements

NOTE: Not for use for immersion services. Not for use on surfaces with extended surface temperatures of 250°F or more.



MIXING



Note: Up to 10% sprayable volume of GR1088 Reducer may be added for sprayability/overspray melt-in. For repairs/striping add up to 3 oz GA1097 per sprayable gallon.



APPLICATION

For Conventional Pressure Feed, apply 2 medium coats at a gun distance of 8-10 inches. Spray to hiding. For HVL P, apply 1 full wet coat with 50% overlap, apply the second coat in a cross-coat method. Recommended dry film thickness is 2.0-2.5 mils.

1. HVL P: Adjust air pressure at cap to 8-10 psi.
2. Gravity or Pressure Feed: Adjust air pressure at the gun to 55 psi for siphon, adjust pot pressure to 5-10 psi for 10-14 fluid ounces per minute delivery.
3. Conventional: Adjust air pressure at the gun to 55-65 psi for pressure feed applications with a fluid delivery of 8-15 ounces per minute.
4. Clean spray gun immediately after use with a quality lacquer thinner.
5. Allow at least 30 minutes flash before clearcoating; cooler temperatures will extend the clearcoat recoat time. May be recoated up to two weeks without scuff sanding



PERSONAL PROTECTION

- Read all label directions before use.
- Refer to MSDS for specific information.
- Wear positive-air respirator when mixing and applying.
- Wear a NIOSH approved dust particulate mask when sanding.
- Wear safety goggles, coveralls, and latex gloves when using product.

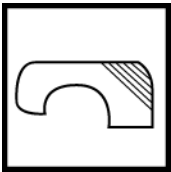


PRODUCT DATA SHEET

SURFACE PREPARATION



- **Wash** surfaces with a mild detergent in hot water. Rinse well and wipe dry with a clean cloth.
- **Solvent clean** with the appropriate Sherwin-Williams® Low VOC Surface Cleaner W4K157 or R7K158 and wipe dry with a clean cloth.
- **Grind** repair area to remove paint and all rust as needed.
- **Sand** all areas to be refinished and featheredge all broken film areas.
- **Treat** bare metal with a Sherwin-Williams® conditioner or etching primer unless using a direct to metal undercoat. Check local regulations to verify etching primers are VOC compliant.
- **Prime** with Sherwin-Williams® primer.
- For plastics, thoroughly clean bare substrates with Sherwin-Williams® SC159 Plastic Cleaner/Anti-static, to remove all contaminants or power wash agents.



SUITABLE PRIMERS

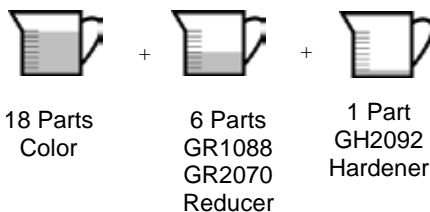
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MIXING

- Stir or shake GENESIS® 3.5 Basecoat Color thoroughly before mixing.
 - For spot repairs/stripping scenarios **any color** mix 18 parts GENESIS® 3.5 Basecoat Color with 6 parts GR1088 Reducer with 1 part GH2092 Hardener plus 3 oz GA1097 Accelerator per sprayable gallon. Stir thoroughly and strain before use. An additional 10% by volume GR1088 may be added for sprayability. **Pot life:** 6 hours at 75°F.



Note: Up to 10% sprayable volume of GR1088 Reducer may be added for sprayability/overspray melt-in. For repairs/stripping add up to 3 oz GA1097 per sprayable gallon.



APPLICATION

Overall or Large Repair using GR2070

1. Adjust air pressure at the gun to 55 psi for siphon, gravity or pressure feed (adjust pot pressure to 5-10 psi for 10-14 fluid ounces per minute delivery).
2. Apply basecoat in medium coats at a gun distance of 8-10 inches. Allow each coat to become hand slick before applying the next coat. Spray to hiding only. (For Metallic Colors: low pressure finesse coat.)
3. Clean spray gun immediately after use with a quality lacquer thinner.
4. Allow at least 30 minutes flash before clearcoating; cooler temperatures will extend the clearcoat recoat time. May be recoated up to two weeks without scuff sanding.



PRODUCT DATA SHEET



APPLICATION cont.

Repairs using GR1088 and GA1097

1. Check repair color for blendable match by spraying out a test panel and comparing it to OE color prior to spraying actual repair.
2. Adjust air pressure at the gun to 45 psi for siphon feed or pressure feed (adjust pot pressure to 5-10 psi).
3. Apply GENESIS® Basecoat (as mixed) at a gun distance of 8-10 inches; spray to hiding, allowing each coat to become handslick before applying the next coat.
4. Allow a 5 minute flash time.
5. To eliminate mottling or halo effect, set gun between 25 and 35 psi. Apply 2 light coats of a 1:1 by volume mix of Color Activated Basecoat : GT2008 at a gun distance of 8-10 inches over entire repair area. (No flash time is needed between coats.)
6. Allow a 5 to 10 minute flash time before applying either CC921 or CC950 clearcoat. See clearcoat product data sheets for mixing and application procedures. If after applying first medium coat of either CC921 or CC950 clearcoat, mottling or halo effect appears, apply one light coat of a 1:1 by volume mix of Color Activated Basecoat : GT2008 over the troubled area, allow a 10 minute flash, then re-apply clearcoat.

NOTE: The GENESIS® Basecoat micas will follow the same repair procedure as other colors. For color matching purposes, an additional 20 percent **by weight of solid toners (excluding metallic toners)** may be required. For further assistance, please contact a Sherwin-Williams sales representative.

EQUIPMENT

<u>Gun Type</u>	<u>Nozzle</u>	<u>Air Pressure</u>
Conventional Siphon Feed	1.8 mm	45-55 psi
Conventional Gravity Feed	1.4-1.6 mm	45-55 psi
Conventional Pressure Feed	1.0-1.2 mm at 8-10 oz/min	45-55 psi
HVLP Gravity Feed	1.4-1.6 mm	8-10 psi at cap
HVLP Pressure Feed	1.0-1.2 mm at 8-12 oz/min	8-10 psi at cap



DRYING SCHEDULE

Dry times are based on the recommended dry film thickness of an average 1.5 mils basecoat.

- **Air Dry Times**
GENESIS® Basecoat: Using Maximum accelerator level
 Tack Free: 5-10 minutes
 Tape Free: 1 hour
- **Force Dry Times**
GENESIS® Basecoat:

<u>Temperature</u>	<u>Time to Tape Free</u>
120°F	30 minutes
140°F	20 minutes
180°F	10 minutes

CLEARCOATING:

Clearcoat GENESIS® Basecoat with Clearcoat CC921 or CC950. Refer to appropriate product label or data page for complete information.

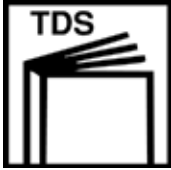
NOTES: The GENESIS® Air Dry Basecoat can be recoated with itself or clearcoat (CC921/CC950) for up to 2 weeks without scuff sanding.



SHERWIN-WILLIAMS®
Automotive Finishes

GENESIS® Basecoat
Air Dry, Low VOC Acrylic Polyurethane
Basecoat/Clearcoat
GB Series

PRODUCT DATA SHEET



TECHNICAL DATA

Mixing Ratio by Volume	18:6:1	Physical Properties:	
Max VOC @ 18:6:1	3.46 lbs/gal	10% Muriatic Acid	No Effect
Ready to Spray Volume Solids (White)	22-27 %	10% Sodium Hydroxide	No Effect
Coverage @ 1 mil dry (white)	359-437 FT ² /gal	10% Sulfuric Acid	No Effect
Pot Life	6 hours at 75°F	50% Antifreeze	No Effect
Viscosity (sprayable) Gardener #2 Zahn Cup (ISO calibrated)	17-18 sec	Xenon Resistance	No Effect
Recommended Dry Film Thickness	Sray to B/W hide	Humidity 1000 hours	No Effect
		Flexibility	Excellent

GENESIS® BC Mix Ratio 18:6:1	As Packaged		As Applied	
	Lb/Gal	G/L	Lb/Gal	G/L
Density	9.69	1160	9.85	1180
	% by Wt.	% by Vol.	% by Wt.	% by Vol.
Volatiles	71.3	71.1	76.4	75.9
Water	0	0	0	0
Exempt Compounds	54	48.2	60.3	54.2
	Lb/Gal	G/L	Lb/Gal	G/L
VOC Total	1.67	200	1.58	190
VOC Less Exempt	3.22	386	3.46	415
	Lb/Gal	KG/L	Lb/Gal	KG/L
HAPs	0	0	0	0