

## PRODUCT DATA SHEET

Genesis® HP is a high performance, low VOC single stage system. This two-component urethane system provides quicker process times with no bake required. The Genesis® HP System will improve production times and energy savings with its air dry technology. The Genesis® HP System also offers outstanding application properties; gloss, appearance, and is extremely durable. This system was designed for Fleet Refinish, and OE and Sign Manufacturing



### PERSONAL PROTECTION

- Read all labels 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.



### SURFACE PREPARATION

- **Bare Substrates** need to be treated with the appropriate Sherwin-Williams® primer.
- **Wash** surfaces with a mild detergent in hot water. Rinse well and wipe dry with a clean cloth.
- **Solvent clean** with the appropriate Low VOC Surface Cleaner 4600800, R7K158, or R7K156 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.

### PREPAINTED SUBSTRATES

- Complete body work and priming according to product recommendations for appropriate Sherwin-Williams® primer.
- Finish sand repair area with 320 grit treated sandpaper on a random orbital sander.
- Re-clean thoroughly with R7K156, R7K158, or 4600800.
- For best results on larger repairs, seal the area to be painted with an appropriate Sherwin-Williams® primer (for the below products refer to the appropriate product data page for complete information).



### SUITABLE PRIMERS

- SpectraPrime®/SpectraSeal® Color Sealer P30
- DTM Epoxy Primers, E2B931/E2W932/E2A933, E2A960/E2W963, NP75/NP74W
- DTM Urethane Primers, E2W817/E2B818/E2A819, E2W805, E2A875, E2W840/E2A841, E2A820/E2W823

### EQUIPMENT

#### Gun Type

HVLP Gravity Feed  
HVLP Pressure Feed

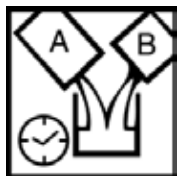
#### Nozzle

1.3-1.4 mm  
0.8-1.2 mm at 8-12 oz/min

#### Air Pressure

8-10 psi at cap  
8-10 psi at cap

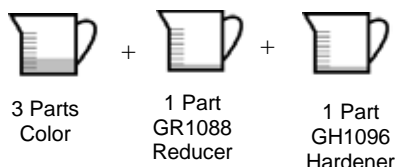
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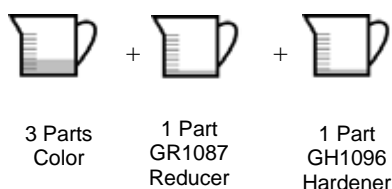
### MIXING

- Stir or shake Genesis® HP Single Stage Mixing Clear (GT1530) thoroughly before mixing.
- Mix 3 parts color, with 1 part GR1088 Reducer, with 1 part GH1096 Hardener.
- For large applications, mix 3 parts color, with 1 part GR1087, with 1 part GH1096.
- Stir thoroughly and strain before use.
- Pot Life @ 75°: **25 – 40 minutes**
- Pot Life @ 75° for Large Applications: **50-75 minutes**

#### For Small Applications and Repairs



#### For Large Applications



#### **Note:**

- Contact your Sherwin-Williams Representative or Technical Customer Service at 800-798-5872 for GR1087 Genesis® Slow Reducer recommendations.
- Weather and humidity will affect pot life expectancy.
- Utilize **Lined Gallon Can Part# A168L** to help maintain long term color consistency for the intermix system. We are recommending the use of lined cans (A168L) with the Genesis® HP High Performance Single Stage System.



### APPLICATION

#### **Overall**

1. Adjust air pressure at the gun to 30-45 psi for siphon, gravity, or pressure feed (adjust pot pressure to 10-15 psi for 8-14 fluid ounces per minute delivery).
2. For pressure feed, apply 2 medium coats at a gun distance of 8-10 inches. Spray to hiding. For HVLP, apply 1 full wet coat with 70% overlap, applying the second coat in a cross-coat method. Recommended dry film thickness is 2.0 – 3.5 mils.
3. Clean spray gun immediately after use with Gun and Equipment Cleaner.

#### **Repair**

4. Repair process must be performed using a two-gun method. Apply Genesis® HP Coating over the repaired area carrying out the wet edge just beyond the repair.
5. Apply a second coat wet on wet, to achieve proper hiding and blending of the color into the repaired area and lightly feather the outer edge.
6. With a second gun, use BS10 Ure-Blend® 1K Urethane Blending Solvent at low pressure 20-25 psi conventional and 5 psi HVLP cap pressure. Apply only enough blending solvent necessary to melt blend edge.

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## DRYING SCHEDULE

- Dry Film Thickness during testing 2-3 mils.
- Booth Temperatures during testing 80° F and 57% humidity.
- Air Dry Times may vary with color and film thickness.
- Genesis® HP coating can be baked for decreased cure time.

### Air Dry Times (R7K7210)

Handslick	10 minutes
Tack Free	30 minutes
Dust Free	10-12 minutes
Nib Sandable	25-40 minutes
Tape Free	30-40 minutes

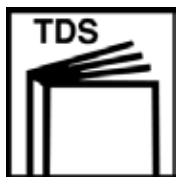
### Air Dry Times (GR1087)

Handslick	15 minutes
Tack Free	1 hour
Dust Free	40 minutes
Nib Sandable	1.5 hours
Tape Free	2.5 hours

### Force Dry Times (120°)

Tape Free	10-15 minutes
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**NOTES:** The Genesis® HP coating can be recoated with itself up to 48 hrs without scuff sanding. After 48 hrs scuff sanding is required. 320 grit sand paper is recommended.



## TECHNICAL DATA

Mixing Ratio by Volume	3:1:1	Viscosity (sprayable) Gardener #2 Zahn Cup (ISO calibrated)	15 - 17 seconds
Max VOC(with Toners) @ 3:1:1	2.8 lbs/gal	Recommended Dry Film Thickness	2.0 -3.5 mils
Ready to Spray Volume Solids	47.9%	Gloss at 60°	93.5
Coverage @ 1 mil dry	768.31 sf/g/mil	Distinct of Image (DOI)	89.2
Pot Life @ 75°	25 - 40 minutes		
Pot Life @ 75° for Large Applications	50 – 75 minutes		

Genesis® HP Single Stage System	As Packaged		As Applied	
	Lb/Gal	G/L	Lb/Gal	G/L
Density	9.19	1101.20	9.05	1084.43
	% by Wt.	% by Vol.	% by Wt.	% by Vol.
Volatiles	48.11	55.48	53.36	59.35
Water	0	0	0	0
Exempt Compounds	29.21	32.18	41.85	45.37
	Lb/Gal	G/L	Lb/Gal	G/L
VOC Total	1.75		1.04	124.62
VOC Less Exempt	2.53	306.71	1.90	227.67
	Lb/Gal	KG/L	Lb/Gal	KG/L
HAPs	0	0	0	0

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### LABEL CAUTION INFORMATION

**DANGER!**

HARMFUL IF INHALED – MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA, IRRITATES EYES, SKIN AND RESPIRATORY TRACT.

**CAUTIONS**

Contents are **FLAMMABLE**. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

**VAPOR HARMFUL**. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**FIRST AID**: If **INHALED**: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on **SKIN**: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in **EYES**: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If **SWALLOWED**: Call Poison Control Center, hospital emergency room, or physician immediately.

**DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE**

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**WARNING**: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

**FOR PROFESSIONAL USE ONLY.**

**SEE MATERIAL SAFETY DATA SHEET.**

*To learn more about Sherwin-Williams Automotive® Products, visit our Web site at [www.sherwin-automotive.com](http://www.sherwin-automotive.com)*