



# GENESIS® FedEx White

## Low VOC Acrylic Urethane

### G8-65199

#### PRODUCT DESCRIPTION:

Genesis® FedEx White Low VOC Acrylic Urethane is extremely durable, provides high gloss and is chemical/solvent resistant. Genesis® FedEx White can be air-dried or force dried for urethane-tough enamel that is ideal for OEM, Fleet, Truck, airline ground support equipment and special vehicle finishing. Genesis® FedEx White can be applied at 2.8 lbs/gal or 3.5 lbs./gal VOC.

#### TECHNICAL DATA:

• Mixing ratio by volume	3:1	• Performance after one week air dry	
• Max VOC @ 3:1 using GH1091		- Impact resistance ( 80 in/lbs)	
	VOC Total 3.5 lbs/gal, 420 g/l	Direct	Pass
	VOC less exempt 3.5 lbs/gal, 420 g/l	Reverse	Pass
Max VOC @ 3:1 using GH1096		- Flexibility (1/8" conical mandrel)	Pass
	VOC Total 2.3 lbs/gal, 276 g/l	- Solvent resistance (10 double rubs)	
	VOC less exempt 2.8 lbs/gal, 335.4 g/l	(MEK/Xylene/Gasoline/Diesel/Oil)	No effect
• Viscosity (sprayable) Gardner #2 Zahn Cup (ISO calibrated)		- Chemical resistance (24 hr. covered contact)	
	19-23 sec.	10% Hydrochloric acid	No effect
• Coverage @ 1 mil dry	875 sq. ft./gallon	10% Sulfuric acid	No effect
• Recommended min. dry film thickness (2 coats)	2.0-2.5 mils	10% Ammonium hydroxide	No effect
• Gloss	60° 92	10% Phosphoric acid	No effect
	20° 85	10% Acetic acid	No effect
• DOI	Excellent	10% Sodium hydroxide	No effect
• Pencil Hardness		Antifreeze	No effect
at 48 hours	H	- Salt spray resistance -500 hrs*	No effect
at 2 weeks	2H	- Humidity resistance - 250 hours*	No effect
- Florida Black Box (gloss retention) @ 5 degrees		* Over properly treated and primed metal	
South exposure for 2 years	90%		

#### SURFACE PREPARATION:

**Bare Substrates\*:** Steel, Galvanized Steel, Aluminum or Fiberglass

*\*Note: With the inconsistencies of substrates, consult your local SHERWIN-WILLIAMS Representative for system recommendations and substrate testing.*

- Solvent clean with SHER-WILL-CLEAN® Solvent Cleaner R7K156 or AQUA-MATE® Low VOC Surface Cleaner W4K157 and wipe dry with a clean, dry cloth.
- Mechanically abrade all bare metal. For hot-rolled steel, a media blast is required to remove any surface impurities.
- Solvent clean with SHER-WILL-CLEAN® Solvent Cleaner R7K156 or AQUA-MATE® Low VOC Surface Cleaner W4K157 and wipe dry with a clean, dry cloth. For cold-rolled steel, proceed to step #4.
- Apply 2-3 medium coats of GBP® Etching Filler E2G980 or one double coat of CORROSION SHIELD® E2G973. Check local regulations to verify etching primers are VOC exempt. Or, treat bare steel with MET-L-ETCH® Steel Cleaner W4-K288 followed by MET-L-MATE® Phosphate Conversion Coating W4K289.
- Follow with appropriate Sherwin-Williams primer. Note: Do not use 3.5 DTM Epoxy Primer E2A933 over E2G973.

#### Prepainted Substrates:

- Wash surfaces with mild detergent in hot water. Rinse well and wipe dry with a clean cloth.
- Solvent clean with SHER-WILL-CLEAN® Solvent Cleaner R7K156 or AQUA-MATE® Low VOC Surface Cleaner W4K157 and wipe dry with a clean, dry cloth.
- Grind off paint and remove all rust. Fill as needed using an appropriate body filler. Allow body filler to tack up and shape as needed. Body filler must be cured before priming.
- Sand repair area and featheredge using 80, 180, 280 and finish with 320 grit treated sandpaper on a random orbital sander. Use SHER-WILL-CLEAN® Solvent Cleaner R7K156 or AQUA-MATE® Low VOC surface Cleaner W4K157 to remove sanding residue before recoating.
- Apply 2-3 medium coats of GBP Etching Filler E2G980 or one double coat of CORROSION SHIELD® E2G973 to any bare metal and featheredge area. Check local regulations to verify etching primers are VOC exempt. Or, treat bare steel with MET-L-ETCH® Steel Cleaner W4K288 followed by MET-L-MATE® Phosphate Conversion Coating W4K289.
- Fill as needed using an appropriate Sherwin-Williams primer. Note: Do not use 3.5 DTM Epoxy Primer E2A933 over E2G973. Block sand with 180 to 280 grit treated sandpaper.
- Finish sand repair area with 320 grit treated sandpaper on a random orbital sander.
- Prep entire blend area or panel by water sanding with 1000-1200 grit or scuff with gray scuff pad and USP-90 Scuffing Gel.
- Re-clean thoroughly with R7K156 or W4K157.
- For best results on larger repairs, seal the area to be painted with an appropriate Sherwin-Williams primer.

(For the above products refer to the appropriate product data page for complete information.)

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**MIXING:**

1. Stir or shake Genesis® FedEx White Low VOC thoroughly before mixing.
2. Mix by volume, 3 parts Genesis® FedEx White VOC Color with 1 part Genesis® Hardener according to VOC requirements:

**2.8 VOC Hardener: GH1096****3.5 VOC Hardener: GH1091**

Stir thoroughly and strain before use.  
Pot life: 2 Hours.

*To improve atomization and blending without affecting VOC, add up to 1 part Genesis® Reducer GR1088. IMPORTANT: Color match may be affected using this mixing scenario. Before painting, spray a test card and compare the color to the color standard or unit to be repaired.*  
Pot life: 3 hours.

3. One of the following reducers are included in the intermix formula. Contact your local Sherwin-Williams representative for details.

Reducer	Temperature Range
GR1070	50-75°F
GR1073	75-85°F
GR1086	85°F+

4. Genesis GA-1097 accelerator may be added up to 3 oz. Per ready-to-spray gallon.  
IMPORTANT: Pot life will be reduced to 1 hour.
5. If fisheyes are a problem, add 1-2 ounces of The LEVELER® Silicone Additive V3-K780 per sprayable gallon of Genesis® FedEx White color.

**APPLICATION:****Overall:**

1. Adjust air pressure at the gun to 55-65 psi for siphon, gravity or pressure feed (adjust pot pressure to 5-10 psi for 8-15 fluid ounces per minute delivery).
2. For Pressure/Siphon feed, apply 2 medium coats at a gun distance of 8-10 inches. Spray to hiding. For HVLP, apply 1 full wet coat with 50% overlap. Recommended minimum dry film thickness is 2.0-2.5 mils.
3. Clean spray gun immediately after use with a quality lacquer thinner.

**Repair:**

Repair process must be performed using a two-gun method. Apply Genesis over the repaired area carrying out the wet edge just beyond the repair. Allow Genesis to flash per data sheet recommendations. Apply a second coat to achieve proper hiding and blending of the color into the repaired area and lightly feather the outer edge. Immediately after feathering the final coat, melt the feathered edge with a wet-on-wet application using Ure-Blend™ BS10 1K Urethane Blending Solvent.

**Buffing Blend Area**

- Allow finish to cure.
- If sanding is needed for dirt or smoothing the blend area, use 2000 to 2500 grit paper wet.
- Buff blend area by machine with appropriate Polishing Cream or a quality microfinishing compound followed by machine glaze. Hand glaze if needed.

**APPLICATION EQUIPMENT RECOMMENDATIONS:**

<u>Gun Type</u>	<u>Nozzle</u>	<u>Air Pressure</u>
Conventional Siphon Feed	1.3-1.5 mm	50-55 psi
Conventional Gravity Feed	1.3-1.5 mm	50-55 psi
Conventional Pressure Feed	0.8-1.0 mm at 8-12 oz/min	50-55 psi
HVLP Gravity Feed	1.3-1.5 mm	10 psi at cap
HVLP Pressure Feed	0.8-1.0 mm at 8-12 oz/min	10 psi at cap

**DRYING SCHEDULE:**

Dry times are based on the recommended dry film thickness of 2.0 - 2.5 mils; thicker films will extend drying times.

- Air dry times @ 75°F and 50% Relative Humidity:

	<u>Unaccelerated</u>	<u>Accelerated</u> (3 oz. GA-1097 per sprayable gal)
- Dust free	2-3 hours	1 hours
- Tack free	6-7 hours	1-2 hours
- Tape free	24 hours	4-5 hours

- Force dry times:

<u>Temperature</u>	<u>Tape free</u>	<u>Tape Free with 2 oz GA-1097 per sprayable Gallon</u>
140°F	80-120 minutes	30 minutes
160°F	60-80 minutes	---
180°F	45-60 minutes	---

Note: Infra-Red Recommendation: 10 minutes on low for flash and 20 minutes on high or until firm. Lamp should be no closer than 36 inches

**NOTES:**

- Decals may be applied after air-drying 72 hours at 75°F. Lower temperatures, heavy film thickness, poor air movement, thick decals, foil-based decals, etc., will extend the 72 hour dry time before decal may be applied. Refer to your local Sherwin-Williams Representative for recommendations.

## PRODUCT AT-A-GLANCE

### PRODUCT

**Genesis® FedEx White Acrylic Urethane**

**G8/GC Series**

### USE

- Ideal for OEM, Fleet, Truck, Special Vehicle finishing.
- Provides a high gloss, extremely durable, chemical/solvent resistant finish.
- Resists marring, stone chips, harsh environments

### SUITABLE SUBSTRATES

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>▪ AQUA II™ Waterborne W8A2500*</li> <li>▪ G.B.P.® Etching Filler E2G980†</li> <li>▪ PRIME-SHIELD™ E2A820/R822/W823</li> <li>▪ 2.1 VOC DTM Epoxy Primers</li> <li>▪ 3.5 VOC DTM Epoxy Primer</li> </ul> | <ul style="list-style-type: none"> <li>▪ Sher-Jet™ E2A55</li> <li>▪ Sher-Lok® E2H935</li> <li>▪ Sher-Lok® E2H935P with E2Z945</li> <li>▪ ULTRA-FILL II® Primer-Sealers S-59</li> <li>▪ ULTRA-FILL II® Primer-Surfacer P-48/P-49</li> <li>▪ 2.1 DTM Urethane Primer E2A819</li> </ul> |
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- \*VOC Compliant at 2.0 lbs/gal (240 grams/liter)
- †Consult local regulations for VOC requirements

### SURFACE PREPARATION

- **Wash** surfaces with a mild detergent in hot water. Rinse well and wipe dry with clean cloth.
- **Solvent clean** with Low VOC Surface Cleaner W4K157 and wipe dry with a clean cloth.
- **Sand** all areas to be refinished and featheredge all broke film areas.
- **Treat** bare metal with a Sherwin-Williams conditioner or etching primer. Check local regulations to verify etching primers are VOC exempt.
- **Prime** with Sherwin-Williams primer.

### MIXING

- Stir or shake Genesis® 2.8 Low VOC color thoroughly before mixing.
- Mix by volume 3 parts of Genesis® FedEx White Color with 1 part hardener:
- Pot life: 2 hours

**2.8 VOC**

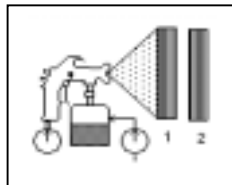
3 parts      +      1 part  
Mixed                      Hardener  
Color                      GH1096

**3.5 VOC**

3 parts      +      1 part  
Mixed                      Hardener  
Color                      GH1091

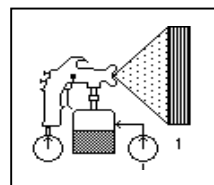
### APPLICATION

**Pressure Feed/Siphon Feed\***  
Apply 2 medium coats.  
Allow each to become hand slick



Air pressure:                      Fluid delivery:  
55-65 psi                              8-15 oz/min.  
5-10 psi pot pressure

**HVLP\***  
Apply 1 full wet coat  
With 50% overlap.



8-10 psi                              Fluid delivery:  
at the cap                              8-15 oz/min.

\*See APPLICATION on previous page for complete equipment recommendation.

### RECOAT

- Decals may be applied after 72 hours. Lower temperatures, heavy film thickness, poor air movement, thick decals, foil based decals, etc., will extend the dry time before the decal may be applied.
- May be recoated at any time with itself. Must be scuffed or sanded after 24 hours.
- Refer to your local Sherwin-Williams Representative for recommendations.

### NOTES

- To speed tape time, add up to 3 ounces Genesis® Accelerator GA1097 per sprayable gallon
- Recommended minimum dry film thickness is 2.0-2.5 mils.

### PERSONAL PROTECTION

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|--|---|
| <ul style="list-style-type: none"> <li>• Read all label directions before use.</li> <li>• Refer to MSDS for specific information.</li> <li>• Wear positive-air respirator PS-90006 or 90012 when mixing and applying.</li> </ul> | <ul style="list-style-type: none"> <li>• Wear a NIOSH approved dust particulate mask PS-90015 when sanding.</li> <li>• Wear safety goggles PS-90017, coveralls PS-90026, and latex gloves PS-90022 when using product.</li> </ul> |
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*To learn more about Sherwin-Williams Automotive Products, visit our Web site at [www.sherwin-automotive.com](http://www.sherwin-automotive.com)*