



PRODUCT OVERVIEW

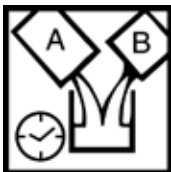
Genesis® 3.5 Low VOC Acrylic Polyurethane is extremely durable, provides high gloss and is chemical/solvent resistant. Genesis® 3.5 Low VOC Acrylic Polyurethane can be air-dried or force dried for urethane tough polyurethane that is ideal for OEM, fleet, truck, and special vehicle finishing. Genesis® 3.5 Low VOC Acrylic Polyurethane is ideal for industries such as: airline ground support equipment, the waste industry, beverage industry, DOT, and public transportation equipment. Genesis® 3.5 Low VOC Acrylic Polyurethane offers excellent hiding and is available in many intermix formulas including fleet specified colors.





SUITABLE PRIMERS

- DTM Urethane Primers E2W817/B818/819, E2W805
- PRIME-SHIELD® Urethane Primers E2A820/W823
- 2.1/3.5 VOC DTM Epoxy Primers E2B931/W932/A933, E2A960/W963, NP75/NP74W
- ULTRA-FILL® HS P50
- SPECTRAPRIME®/SPECTRASEAL® P30

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



MIXING

 +
  +
 Optional:
 3 oz GA1097
 or
 2 oz GA1098

3 Parts Color 1 part Hardener
 GH1091

NOTE: May use up to 1 part GR1088 Reducer



APPLICATION

For Conventional 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 50% overlap, apply the second coat in a cross-coat method. Recommended dry film thickness is 2.0-2.5 mils.

1. HVLP: Adjust air pressure at cap to 8-10 psi.
2. Pressure Feed: Adjust air pressure at the gun to 55-65 psi with a fluid delivery of 8-12 ounces per minute.
3. Conventional: Adjust air pressure at the gun to 55-65 psi for pressure feed applications with a fluid delivery of 8-10 ounces per minute.
4. 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, apply the second coat in a cross-coat method. Recommended dry film thickness is 2.0-2.5 mils.



DRYING SCHEDULE

Air Dry @ 75°F and 50% Relative Humidity:

	Unaccelerated	Accelerated (3 oz. GA1097 or 2 oz. GA1098 per sprayable gal)
Hand Slick	2 hours	45 minutes
Dust free	2-3 hours	1 hour
Tack free	6-7 hours	3 ½ hours
Tape free	24 hours	3 ½ hours
Nib Sand	24+ hours	2 ½ hours



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 appropriate Sherwin-Williams® surface cleaner and wipe dry with a clean cloth.
- **Sand** all areas to be refinished and featheredge all broken 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 appropriate Sherwin-Williams® primer.



SUITABLE PRIMERS

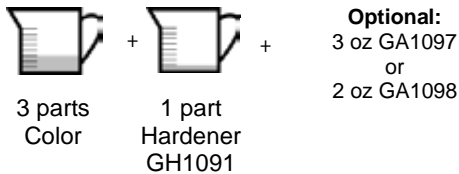
- DTM Urethane Primers E2W817/B818/819, E2W805
- PRIME-SHIELD® Urethane Primers E2A820/W823
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NOTE: Not for use for immersion services. Not for use on surfaces with extended surface temperatures of 250°F or more.



MIXING

- Stir or shake GENESIS® 3.5 Low VOC Acrylic Polyurethane thoroughly before mixing.
- Mix by volume 3 parts GENESIS® GC Series Mixed Color with 1 part GH1091 Hardener.
- Stir thoroughly and strain before use.
- Pot life 2 hours at 70°F.



NOTE: May use up to 1 part GR1088 Reducer

NOTE:

- To speed cure time, add up to 3 ounces of Genesis® Accelerator GA1097 per sprayable gallon or up to 2 ounce of Genesis® Accelerator GA1098 per sprayable gallon. Pot life will be reduced to 1 hour. Refer to Drying Schedule section for dry times.



APPLICATION

Overall

1. HVLP: Adjust air pressure at cap to 8-10 psi.
2. Pressure Feed: Adjust air pressure at the gun to 55-65 psi with a fluid delivery of 8-12 ounces per minute.
3. Conventional: Adjust air pressure at the gun to 55-65 psi for pressure feed applications with a fluid delivery of 8-10 ounces per minute.
4. 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, apply the second coat in a cross-coat method. Recommended dry film thickness is 2.0-2.5 mils.

EQUIPMENT

<u>Gun Type</u>	<u>Nozzle</u>	<u>Air Pressure</u>
Conventional Siphon Feed	1.3-1.5 mm	55-65 psi
Conventional Gravity Feed	1.3-1.5 mm	55-65 psi
Conventional Pressure Feed	0.8-1.1 mm at 8-10 oz/min	55-65 psi
HVLP Gravity Feed	1.3-1.5 mm	8-10 psi at cap
HVLP Pressure Feed	0.8-1.1 mm at 8-12 oz/min	8-10 psi at cap



PRODUCT DATA SHEET

RECOAT

- May be recoated with itself at any time. Must be scuffed or sanded after 24 hours.

DRYING SCHEDULE

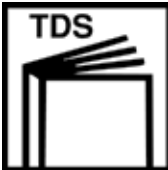
Dry times are based on the recommended dry film thickness of 2.0 - 2.5 mils; thicker films, lower temperatures, or high humidity will extend drying times.

Air Dry @ 75°F and 50% Relative Humidity:

	<u>Unaccelerated</u>	<u>Accelerated (3 oz. GA1097 or 2 oz. GA1098 per sprayable gal)</u>
Hand Slick	2 hours	45 minutes
Dust free	2-3 hours	1 hour
Tack free	6-7 hours	3 ½ hours
Tape free	24 hours	3 ½ hours
Nib Sand	24+ hours	2 ½ hours

Force Dry:

	<u>Tape Free with 2 oz GA1097 per sprayable gal</u>
<u>Temperature</u>	140°F
	30 minutes



TECHNICAL DATA

		Physical Properties:	
Mixing Ratio by Volume	3:1	Skydrol Resistant	No Effect
Max VOC @ 3:1	3.42 lbs/gal	10% Muriatic Acid	No Effect
Ready to Spray Volume Solids (white)	54.5 %	10% Sulfuric Acid	No Effect
Coverage @ 1 mil dry (white)	875 FT ² /gal	50% Antifreeze	No Effect
Pot Life	2 hours at 70°F	Xenon Resistance 1000 hours	No Effect
Viscosity (sprayable) Gardener #2 Zahn Cup (ISO calibrated)	19-23 sec	Humidity 1000 hours	No Effect
Recommended Dry Film Thickness	2.0-2.5 mils	Salt Spray 1000 hours	No Effect
Gloss @ 60°	90	Flexibility (1/8" conical mandrel)	Excellent

GENESIS® 3.5 GC Series	As Packaged		As Applied	
	Lb/Gal	G/L	Lb/Gal	G/L
Density	8.86	1062	8.92	1068
	% by Wt.	% by Vol.	% by Wt.	% by Vol.
Volatiles	43.0	52.6	38.4	47.0
Water	0	0	0	0
Exempt Compounds	0	0	0	0
	Lb/Gal	G/L	Lb/Gal	G/L
VOC Total	3.81	456	3.42	410
VOC Less Exempt	3.81	456	3.42	410
	Lb/Gal	KG/L	Lb/Gal	KG/L
HAPs	0.19	0.022	0.27	0.033