

**ULTRA –FILL II®**  
“ULTRA-SHADE”™ Acrylic Urethane Sealers  
Gray – S56, Black – S57, White – S58

**PRODUCT DESCRIPTION:**

ULTRA-FILL II® “ULTRA-SHADE”™ Acrylic Urethane Sealers S56, S57, and S58 are designed to provide excellent topcoat holdout for superior gloss and DOI. These sealers provide the ability to fill 400 or finer grit sand scratches, preventing sandscratch swelling and ensuring adhesion to OEM substrates. These sealers are especially suited for repairs requiring maximum topcoat holdout and premium quality. S56, S57 and S58 can be intermixed at any ratio to create a variety of “gray” color offerings in a 2K Urethane Sealer. “ULTRA-SHADE”™ Sealers when mixed properly, meet U.S. National Rule requirements of 4.6 lbs/gal (551.08 g/l) maximum ready-to-spray VOC (volatile organic compounds) and lower.

**TECHNICAL DATA:**

• Colors	Gray, Black, White	• Volume solids as applied	31%
• Sprayable Viscosity #2 Zahn	20-21 sec	• Recommended dry film thickness	0.8-2.5 mils
• Maximum VOC as applied 4:2:2:1		• Humidity Resistance – 500 hours	Excellent
VOC Total	3.4 lbs/gal		
VOC Less exempt	4.4 lbs/gal		
			413 g/l
			532 g/l

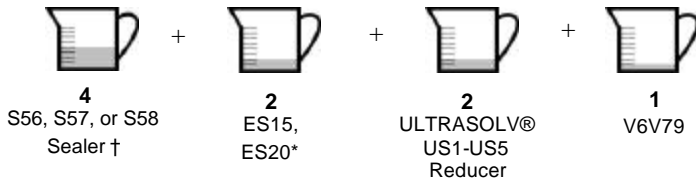
**SURFACE PREPARATION:**

(Refer to respective product labels or data pages for complete information.)

- Final sand repair area when sealing with P400 grit or finer sandpaper. When directly topcoating over primer, final sand repair area with P600 grit or finer sandpaper. Sanding can be done either wet or dry.
- Solvent clean with an appropriate Sherwin-Williams surface cleaner. Wipe dry with clean cloth.
- Treat sand throughs to bare metal with appropriate metal treatment system.

**MIXING:**

- Shake then stir ULTRA-FILL II® “ULTRA-SHADE”™ Acrylic Urethane Sealer thoroughly before mixing.
- Choose the ULTRASOLV® Reducer that best fits shop temperature.
- Mix by volume. Maximum VOC less exempt as applied 4.6 lbs/gal (551.08 g/l):



- For 3.5 VOC Compliance, Mix 25 parts Sealer to 17 parts ES15 Transducer, to 3 parts ULTRASOLV®, then add 5 parts UH100 Hardener. OR, Mix 25 parts Sealer to 17 parts ES15 Transducer, to 3 parts ULTRASOLV® Reducer mix thoroughly, then combine 9 parts of complete mixture with 1 part UH100.

**Pot life:** 5 hours at 70°F, 2 hours at 80°F, 1 hour at 90°F.

**\*Note:** ES-20 is for temperatures above 85°F.

**†Note:** S56, S57 and S58 can be intermixed at any ratio to create a variety of gray color offerings. Intermix S56, S57 and S58 in any combination to create the desired gray color, and then follow normal mixing recommendations.

- Flexible parts: Mix by volume, 4 parts S56, S57 and S58 with 4 parts ULTRASOLV® Reducer, stir, then add 1 part V6V79 and 1 part MULTI-FLEX® Flexible Additive V6V299, which equates to 10% of V6V299 in the Ready to Spray Sealer mixture.
- Pot life: 5 hours at 70°F, 3 hours at 80°F, 2 hours at 90°F.
- Stir thoroughly and strain before using.

P  
R  
O  
D  
U  
C  
T  
  
D  
A  
T  
A

**“ULTRA-SHADE”™**

100%  
White

25%/75%  
Black/White

50%/50%  
Black/White

75%/25%  
Black/White

100%  
Black

## APPLICATION:

- Adjust air pressure to: 40-45 psi for conventional siphon feed gun  
30-35 psi for conventional gravity feed gun  
8-10 psi air cap pressure for HVLP gun
- Wet-on-Wet Application:** Apply 1 full even wet coat to achieve 0.8 to 1.2 mils.  
**Barrier Coat Application:** Apply 2-3 medium coats, allowing each coat to flash hand slick before applying the next coat. Apply to complete panels only. Allow to thoroughly dry, and scuff or sand before applying topcoat.  
**Direct to E-Coat:** S56, S57 and S58 can be applied direct to unsanded E-Coat *for jamming parts only*, the exterior must be prepared according to sanding recommendations.
- Clean spray gun with R7-K105 or R7-K106 immediately after use.
- Narrow spray gun fan pattern to help prevent dry overspray and dry edges in temperatures above 85°F or in high air flow spray booths.

**Notes:** • Do not use SUNFIRE® or GENESIS® topcoats over S56, S57 and S58 Sealers when used as a "wet-on-wet" sealer.

## RECOATING:

### WHEN USING AS A "WET-ON-WET" SEALER:

- Allow S56, S57 and S58 to dry until handslick (usually about 5-30 minutes depending on temperatures and film thicknesses).
- Recoat with any Sherwin-Williams Enamel or Urethane topcoat except SUNFIRE® and GENESIS®. Do not use over OEM or refinish lacquer topcoats. Do not recoat with lacquer topcoats.
- Sealer should be topcoated within 1 hour to prevent a possible recoat lift. If allowed to dry for more than 1 hour, reapply the sealer following the wet-on-wet procedure and topcoat within 1 hour.
- If S56, S57 or S58 is allowed to dry 16 hours, scuff sand with a gray nylon scuffpad or wet sand with 600 grit or finer sandpaper and reapply S56, S57 or S58 with the wet-on-wet application.

-or-

### WHEN USING AS A BARRIER SEALER FOR MAXIMUM HOLDOUT

- Recoat S56, S57 and S58 with any Sherwin-Williams topcoat according to the following recoat schedule:

<u>Temperature (°F)</u>	<u>Dry to Recoat</u>
Below 60	DO NOT USE
60-70	6 hours
70-80	4 hours
80-90	3 hours
120 (Force Dry)	1.5 hours
140 (Force Dry)	30 minutes
160 (Force Dry)	20 minutes

**Do not force dry above 160°F**

**Note:** When force drying S56, S57 and S58, scuff sand after cool down for maximum adhesion.

- If S56, S57 and S58 is allowed to dry 16 hours, scuff sand with 600 grit or finer dry sandpaper and recoat with any Sherwin-Williams topcoat. Reapplying sealer is not necessary if 2.0 mils dry film thickness has been achieved.
- Recoat S56, S57 and S58 within 24 hours after dry sanding or 4 hours after wet sanding to ensure proper adhesion.

## GUN RECOMMENDATIONS FOR OPTIMUM PERFORMANCE:

<u>SPRAY GUN TYPE</u>	<u>MANU-FACTURER</u>	<u>SPRAY GUN MODEL</u>	<u>NOZZLE</u>	<u>AIR CAP</u>	<u>PSI</u>
HVLP Gravity Feed	SATA	NR2000	1.3mm/1.4 mm	use one supplied	10 psi cap*
HVLP Gravity Feed	SATA	NR95	1.5 mm	use one supplied	10 psi cap*
HVLP Gravity Feed	DeVilbiss	GTI	1.4mm/1.6 mm	use one supplied	10 psi cap*
HVLP Gravity Feed	Sharpe	Titanium T1	1.4 mm/1.5 mm	use one supplied	10 psi cap*
Conv. Gravity Feed	SATA	RP	1.3 mm/1.4 mm	use one supplied	30-35 psi
Conv. Gravity Feed	SATA	Jet 90	1.4 mm/1.6 mm	use one supplied	30-35 psi
Conv. Gravity Feed	Sharpe	SGF	1.4 mm/1.6 mm	MD Blue	30-35 psi

**\*Must check with manufacturer supplied air cap test kit**

# PRODUCT AT-A-GLANCE

**PRODUCT**            **ULTRA-FILL II® “ULTRA-SHADE” Acrylic Urethane Sealer**  
**S56 (Gray), S57 (Black), S58 (White)**

## USE

- A premium quality, lead/chromate free, two component acrylic urethane sealer.
- Seals porous surfaces for excellent color holdout, gloss and DOI.
- Prevents featheredge lifting and minimizes sandscratch swelling.
- Can be directly topcoated with Sherwin-Williams Automotive enamel or urethane topcoat system.

## SUITABLE SUBSTRATES

- OEM Enamels
  - Refinished enamels
  - CORROSION SHIELD™
  - G.B.P.® Etching Filler
  - ULTRA-FILL® HS/CP Primer-Surfacers
  - COLOR-PRIME® Tintable Primer-Surfacer
  - ULTRA-FILL® Primer-Surfacer†
  - ULTRA-FILL II® Primer Surfacer
  - Properly sanded OE E-Coat Primer
- †When using S56, S57 and S58 according to barrier sealer recommendations, do full panels only.

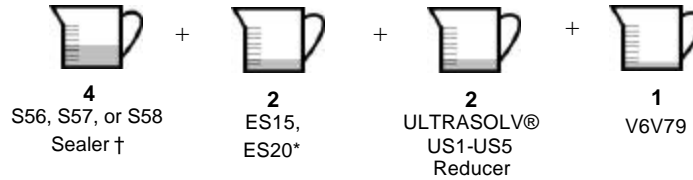
## SURFACE PREPARATION

(Refer to respective product labels or data page for complete information)

1. **Final Sand** repair area when sealing with P400 grit or finer sandpaper. When directly topcoating over primer, final sand repair area with P600 grit or finer sandpaper. Sanding can be done either wet or dry.
2. **Solvent clean** with an appropriate Sherwin-Williams surface cleaner and wipe dry with a clean cloth.
3. **Treat** sand throughs to bare metal with appropriate metal treatment system.

## MIXING

- Shake then stir ULTRA-FILL II® “ULTRA-SHADE”™ Acrylic Urethane Sealers S56, S57 and S58 thoroughly before mixing.
- Pot life: 5 hours at 70°F



†Note: S56, S57 and S58 can be intermixed at any ratio to create a variety of ray color offerings. Intermix S56, S57 and S58 in any combination to create the desired gray color, and then follow normal mixing recommendations.

\*Note: ES20 is for temperatures of 85°F.

- For 3.5 VOC Compliance, mix 25 parts sealer to 17 parts ES15 Transducer, to 3 parts ULTRASOLV®, then add 5 parts UH100 Hardener. OR, Mix 25 parts Sealer to 17 parts ES15 Transducer, to 3 parts ULTRASOLV® Reducer then combine 9 parts of complete mixture with 1 part UH100.

## APPLICATION

1. Adjust air pressure to: 40-45 psi for conventional siphon feed gun  
30-35 psi for conventional gravity feed gun  
8-10 psi air cap pressure for HVLP gun
2. **Wet-on-Wet Application:** Apply 1 full even wet coat to achieve 0.8 to 1.2 mils.  
**Barrier Coat Application:** Apply 2-3 medium coats, allowing each coat to flash hand slick before applying the next coat. Apply to complete panels only. Allow to thoroughly dry, and scuff or sand before applying topcoat.  
**Direct to E-Coat:** S56, S57 and S58 can be applied direct to unsanded E-Coat *for jamming parts only*; the exterior must be prepared according to sanding recommendations.
3. Clean spray gun with R7-K105 or R7-K106 immediately after use.
4. Narrow spray gun fan pattern to help prevent dry overspray and dry edges in temperatures above 85°F or in high air flow spray booths.  
**Notes:** • Do not use SUNFIRE® or GENESIS® topcoats over S56, S57 and S58 Sealers when used as a “wet-on-wet” sealer.

## RECOAT

- ULTRA Topcoats
  - ACRYLYD® Topcoats
  - SUNFIRE® Topcoats†
  - GENESIS® Topcoats†
- † Do not use over S56, S57 and S58 Sealers when using as a “wet-on-wet” sealer.

## NOTES

- Clean equipment immediately with Gun and Equipment Cleaner R7K105 or R7K106.
- If S56, S57, S58 is allowed to dry over 16 hours, scuff sand before recoating. (If used as wet-on-wet, recoat only with itself after overnight dry.)
- When using S56, S57, S58 as a barrier sealer, it must be sprayed to 2.0 mils after drying and be used on complete panel/overalls only.

## PERSONAL PROTECTION

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

**P  
R  
O  
D  
U  
C  
T  
  
D  
A  
T  
A**

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