



California Only ULTRA-FILL® HS 2.8 HS Urethane Sealer S28

PRODUCT DESCRIPTION:

2.8 ULTRA-FILL® HS Urethane Sealer S28 is a premium two-component sealer which provides excellent topcoat holdout for superior gloss and DOI. S28 fills 400 or finer grit sand scratches to prevent sand-scratch swelling and to ensure adhesion to OEM substrates, and is designed to be used in a limited flash Wet-on-Wet application. S28 meets the South Coast Air Quality Management District's (SCAQMD) Rule 1151 requirement of 2.8 lbs/gal maximum ready-to-spray VOC (volatile organic compound).

TECHNICAL DATA:

| | | | |
|--------------------------------|--------------|----------------------------------|--------------|
| • Color | Gray | • Volume Solids as applied: | 31.85% |
| • Sprayable Viscosity #2 Zahn | 14-16 sec | • Recommended dry film thickness | 0.8-1.2 mils |
| • Maximum VOC as applied 4:3:1 | | | |
| VOC total | 4.68 lbs/gal | | |
| VOC less exempt | 2.8 lbs/gal | | |

SURFACE PREPARATION:

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

Bare Substrates: Steel, properly treated Galvanized Steel*, Aluminum, or Fiberglass.

*Note: With the inconsistencies of galvanized steel, consult your local Sherwin-Williams Representative for system recommendations and substrate testing.

1. Solvent clean with AQUA-MATE™ Low VOC Surface Cleaner W4K157 and wipe dry with a clean dry cloth.
2. Apply 2-3 medium coats of G.B.P.® Etching Filler E2G983.

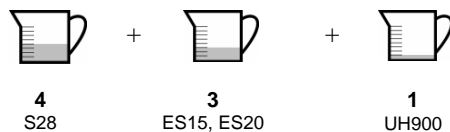
Prepainted Substrates:

1. Wash surfaces with a mild detergent in hot water. Rinse well and wipe dry with a clean, dry cloth.
2. Solvent clean with AQUA-MATE™ Low VOC Surface Cleaner W4K157 and wipe dry with a clean dry cloth.
3. Grind off paint and remove all rust as needed. Fill as needed using an appropriate Sherwin-Williams body filler. Allow body filler to tack up and shape as needed.
4. Sand repair area and featheredge using 80, 180, 280, and finish with 320 grit treated sandpaper (or P-grade equivalent) on a random orbital sander.
5. Apply 2-3 medium coats of G.B.P.® Etching Filler E2G983 to bare metal and body filler. Or, treat bare steel areas with MET-L-ETCH™ Steel Cleaner W4K288 followed by MET-L-MATE® Phosphate Conversion Coating W4K289. Treat bare aluminum with DUAL-ETCH® Metal Cleaner and Conditioner W4K283.
6. If surfacing is needed, apply ULTRA-FILL® HS P22 or ULTRA-FILL® HS NP20 as needed and block sand with 180 to 280 grit treated sandpaper and re-apply if needed.
7. Finish sand the repair area with 400-500 grit or finer treated sandpaper on a random orbital sander.

MIXING:

1. Stir or shake ULTRA-FILL® HS S28 thoroughly before mixing.
2. Mix ULTRA-FILL® HS S28 at a ratio of 4 parts S28 to 3 parts ES15 or ES20 reducer to 1 part UH900 hardener:

NOTE: ES20 should not be used below recommended temperature ranges.



Pot Life: 1 hour at 70°F, 45 minutes at 80°F, 30 minutes at 90°F.

3. Stir thoroughly and strain before using.

APPLICATION:

1. Adjust air pressure to: 7-10 psi air cap pressure for HVLP gun
2. Spray 1 even wet coat for wet-on-wet limited flash application at a gun distance of 4-7".
3. Clean spray gun with R7K105 or R7K106 immediately after use.

Note: Do not use 2.8 ULTRA-FILL® HS Urethane Sealer S28 over lacquer topcoats.

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RECOATING:**AS A "WET-ON-WET" SEALER:**

1. Allow 2.8 ULTRA-FILL® HS Urethane Sealer S28 to dry until (dull) handslick (about 10-30 minutes depending on temperatures and film thicknesses).
2. Recoat with any Sherwin-Williams ULTRA Topcoat. Do not sue over lacquer topcoats. Do not recoat with lacquer topcoats.
3. If 2.8 ULTRA-FILL® HS Urethane Sealer S28 is allowed to dry 8 hours, scuff sand with a gray nylon scuff-pad or wet sand with 600 grit or finer sandpaper and reapply 2.8 ULTRA-FILL® HS Urethane Sealer S28 with wet-on-wet application.

GUN RECOMMENDATIONS FOR OPTIMUM PERFORMANCE

| SPRAY GUN TYPE | MANU-FACTURER | GUN MODEL | NOZZLE | AIR CAP | RECOMMENDED AIR PRESSURE |
|-----------------------|----------------------|------------------|---------------|------------------|---------------------------------|
| HVLP Gravity Feed | SATA | NR95 | 1.3 mm/1.5 mm | use one supplied | 10 psi cap* |
| HVLP Gravity Feed | DeVilbiss | GTI | 1.4mm/1.6 mm | #100 | 10 psi cap* |
| HVLP Gravity Feed | Sharpe | SGF98 | 1.3 mm/1.5 mm | use one supplied | 10 psi cap* |
| Conv. Gravity Feed | SATA | Jet 90 | 1.3 mm/1.4 mm | use one supplied | 40-50 psi |
| Conv. Gravity Feed | Sharpe | SGF98 | 1.2 mm | #C | 40 psi |

**Use specific spray gun manufacturer air cap test kit to verify the appropriate air cap pressure for proper atomization.*

**Adjust fluid control for proper delivery and atomization.*

PRODUCT AT-A-GLANCE

PRODUCT

2.8 ULTRA-FILL® HS Urethane Sealer

S28

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.

SUITABLE SUBSTRATES

- OEM Enamels
- Refinish Enamels
- CORROSION SHIELD™
- G.B.P.® Etching Filler
- ULTRA-FILL® HS P22
- ULTRA-FILL® HS NP20

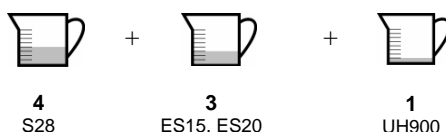
SURFACE PREPARATION

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

1. Wash surfaces with a mild detergent in hot water. Rinse well and wipe dry with clean cloth.
2. Solvent clean with a Sherwin-Williams solvent cleaner, and wipe dry with a clean cloth.
3. Grind repair area to remove paint and all rust as needed.
4. Apply a Sherwin-Williams body filler to clean bare metal as needed.
5. Sand all areas to be refinished and featheredge all broken film areas.
6. Treat bare metal with an appropriate Sherwin-Williams metal conditioner or etching primer.
7. Surface repair area using ULTRA-FILL® HS 2.1 Primer-Surfacers.

MIXING

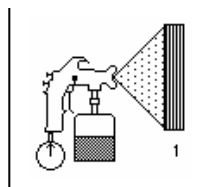
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2. Mix ULTRA-FILL® HS S28 at a ratio of 4 parts S28 to 3 parts ES15 or ES20 reducer to 1 part UH900 hardener.



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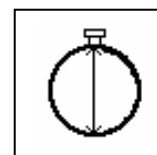
APPLICATION

Siphon Feed
Apply 1 even wet coat.



7-10 psi at the cap

Time To Recoat
Recoat when handslick
10-30 minutes



RECOAT

- ULTRA 7000® Basecoat Color
- ULTRA ONE-STAGE® TURBO 3.5

NOTES

- Clean equipment immediately with Gun and Equipment Cleaner R7K105 or R7K106.
- If 2.8 ULTRA-FILL® HS Urethane Sealer S28 is allowed to dry overnight, scuff sand with a gray nylon scuff pad or wet sand with 600 grit or finer sandpaper and reapply 2.8 ULTRA-FILL® HS Urethane Sealer S28.
- Do not use 2.8 ULTRA-FILL® HS Urethane Sealer S28 over lacquer topcoats.

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.

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To learn more about Sherwin-Williams Automotive Products, visit our Web site at www.sherwin-automotive.com