

PRODUCT DESCRIPTION:

ULTRA-FILL® HS 2.1 VOC NISO Primer NP2100 is a premium quality, 2.1 VOC primer-surfacer that is free of lead, chromates, and isocyanates. NP2100 features high build, excellent gloss holdout, and superb sanding characteristics. NP2100 can be used over properly treated and prepared steel, galvanized steel, aluminum, and fiberglass/SMC. NP2100 meets the State of California requirement of 2.1 lbs/gal maximum ready-to-spray VOC (volatile organic compound) for primer-surfacers.

TECHNICAL DATA:

• Weight Solids	76.60%	• Recommended Dry Film Thickness	2.0-3.5 mils after sanding
• Volume Solids	60.17%	• VOC Sprayable	2.1 lbs/gal
• Mixing Ratio by Volume NP2100 : NH2200	3 : 1	• Shelf Life	12 months
• Viscosity Sprayable, #2 Zahn	18-22	• Theoretical Coverage	965 sq.ft.
• Air Pressure @ Gun, HVLP Gun	5-9 psi		

SURFACE PREPARATION:

Bare Substrates: Properly treated Steel, Galvanized Steel*, Aluminum, or Fiberglass

***Note:**

- *With the inconsistencies of galvanized steel, consult your local Sherwin-Williams Representative for system recommendations and substrate testing.*
 - *Small repairs or sand-throughs can be directly primed without etching. Large areas of bare substrates should be etched per normal procedures.*
1. Solvent clean with appropriate surface cleaner and wipe dry with a clean, dry cloth. Check local VOC regulations for allowable surface cleaner requirements.
 2. Apply 2-3 medium coats of G.B.P.® Etching Primer/Filler. When using G.B.P.® for maximum corrosion protection, MET-L-MATE® W4K289 may be used as a pretreatment.

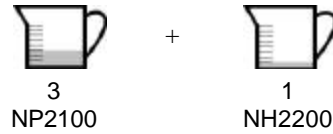
Prepainted Substrates:

1. Wash surfaces with a mild detergent in hot water. Rinse well and wipe dry with a clean, dry cloth.
2. Solvent clean with an appropriate surface cleaner. Wipe dry with a clean, dry cloth.
3. 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. Use UltraClean™ Surface Cleaner R7K158 to remove sanding residue before recoating.
4. Apply 2-3 medium coats of G.B.P.® Etching Primer/Filler to bare metal and body filler. When using G.B.P.®, for maximum corrosion protection, MET-L-MATE® W4K289 may be used as a pretreatment. Etching primer, chemical pretreatments (W4K288, W4K263) and/or conversion coating (W4K289) for bare metal areas will improve system performance. Treat bare aluminum with DUAL-ETCH® Metal Cleaner and Conditioner W4K263.

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

MIXING:

1. Shake then stir NP2100 thoroughly before mixing.
2. Mix by volume. Pot life: Below 90°F and 50% RH - 1 hour. Above 50% RH, pot life could be reduced.



3. NP2100 is not recommended for use on flexible parts.
4. Stir thoroughly and strain before using.

APPLICATION:

1. Adjust air pressure to 6-9 psi at the cap for HVLP. (Note: Higher pressures will speed dry and sand times.)
2. Apply 2 to 3 **even, full wet coats** at a gun distance of 5"-7". Allow each coat to flash to a dull finish until necessary film build is achieved. Recommended dry film thickness over treated bare steel after sanding is 2.0-2.5 mils minimum.
3. Clean spray gun with Gun and Equipment Cleaner R7K105, R7K106 or quality lacquer thinner immediately after use.
4. Refer to the following Gun and Equipment recommendations:

<u>Spray Gun Type</u>	<u>Manufacturer</u>	<u>Spray Gun Model</u>	<u>Nozzle</u>	<u>Air Cap</u>
HVLP	Sata	MCB	1.5 to 1.7 mm	Supplied
HVLP	DeVilbiss	GTI	1.4 to 1.6 mm	Supplied
HVLP	SATA	MC93	1.4 to 1.7 mm	Supplied
HVLP	Sharpe	Titanium T1	1.4 to 1.5 mm	Supplied

DRYING SCHEDULE:

Air Dry: 1 to 2 hrs @ 70°F

Force Dry: 20 to 30 mins up to 140°F

Short Wave Infrared: 5 minutes flash, 10 minutes high setting @ 36 inches distance.

Note: Purge for 10 minutes before using short wave infrared.

NOTE: High film builds in cool temperatures can increase dry times.

RECOATING:

<u>Final sanding</u>	<u>Sandpaper Grit</u>
To Seal	P400*
To Topcoat	P600*

**or equivalent*

Recoat with: Ultra Topcoats and Ultra Sealers.

Edging new parts: NP2100 can be directly topcoated without sanding by allowing to flash to dull (usually 20-30 mins @ 70°F) and up to 4 hours without sanding. **This procedure is recommended for jamming parts only.**

Maximum recoat time after sanding: Up to 7 days. After 7 days, solvent clean and scuff sand using a gray nylon pad.

PRODUCT AT-A-GLANCE

PRODUCT

ULTRA-FILL® HS 2.1 NISO PRIMER

NP2100

USE

- A premium quality, lead, chromate and isocyanate free, 2.1 VOC corrosion primer-surfacer
- High build for fast filling of repairs
- Sands easily without clogging the sandpaper
- Provides excellent solvent resistance, gloss, DOI, and color holdout when applied as directed

SUITABLE SUBSTRATES

- Treated Steel*
- Galvanized Steel*
- Treated Aluminum*
- OEM Finishes
- Refinishing Enamels
- Fiberglass/SMC
- G.B.P.® Etching Primer/Filler

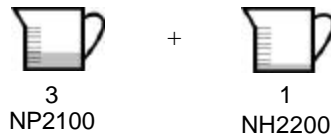
* See previous page for details

SURFACE PREPARATION

- **Wash** surfaces with a mild detergent in hot water. Rinse well and wipe dry with clean cloth.
- **Solvent clean** with an appropriate Sherwin-Williams solvent cleaner, and wipe dry with a clean cloth.
- **Grind** repair area to remove paint and all rust as needed.
- **Apply** a Sherwin-Williams **body filler** to clean bare metal as needed.
- **Sand** all areas to be refinished and featheredge all broken film areas.
- **Treat** bare metal with an appropriate Sherwin-Williams metal conditioner or etching primer.

MIXING

1. Shake then stir NP2100 thoroughly before mixing.
2. Pot life: Below 90°F and 50% RH – 1 Hour. *Above 50% RH, pot life could be reduced.*



APPLICATION

1. Adjust air pressure to 6-9 psi at the cap for HVLP. (Note: Higher pressures will speed dry and sand times.)
2. Apply 2 to 3 **even, full wet coats** at a gun distance of 5"-7". Allow each coat to flash to a dull finish until necessary film build is achieved. Recommended dry film thickness over treated bare steel after sanding is 2.0-2.5 mils minimum.
3. Clean spray gun with Gun and Equipment Cleaner R7K105, R7K106 or quality lacquer thinner immediately after use.
4. Refer to the Gun and Equipment recommendations on the previous page.

RECOAT

ULTRA® Topcoats
ULTRA® Sealers

NOTES

- NP2100 is not recommended for use on flexible parts.
- Clean equipment immediately with Gun and Equipment Cleaner R7K105, R7K106 or quality lacquer thinner.
- Excessive number of coats will extend drying times.

PERSONAL PROTECTION

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

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