

# NCS1996

NCS1996 Low VOC Sealer has been specifically developed as a premium quality, 2.8 VOC, isocyanate free, light gray, two component sealer designed to be used over a variety of substrates and PPG primers. It is intended to be the final step before application of the full spectrum of PPG's single stage and basecoat/clearcoat topcoat systems. Tinting of NCS1996 results in a sealer with VOC greater than 2.8 lbs/gal..

<b>Features</b>	<b>Advantages</b>	<b>Benefits</b>
<ul style="list-style-type: none"><li>• Tintable</li><li>• Compatible With A Wide Variety Of PPG Topcoats</li></ul>	<ul style="list-style-type: none"><li>• Choice of Colors</li><li>• Versatile</li></ul>	<ul style="list-style-type: none"><li>• Better Hiding of Topcoat Color</li><li>• Fewer Products Required</li></ul>

**Compatible Surfaces** **NCS1996 Low VOC Sealer may be applied over:**

- Properly cleaned, sanded and treated steel \*
- Properly cleaned, sanded and treated galvanized, galvaneal steel \*
- Properly cleaned, sanded and treated aluminum \*
- Properly cleaned and sanded fiberglass
- Properly cleaned and sanded E-coat
- DCP21 2"N"1 Urethane Primer (+)
- DPX170 Self Etching Primer \*
- DPX171 Non-Chrome Self Etching Primer \*
- DX1791 Wash Primer \*
- DF Body Fillers (+)
- DPW1847 Waterborne Primer Sealer
- DPX801 Universal Plastics Adhesion Promoter (over rigid or semi-rigid plastics)
- NCP270/271 Corrosion Resistant Primer (+)
- NCP272 Tintable Corrosion Resistant Primer (+)
- NCP280 2.1 VOC Primer Surfacer (+)
- OEM Basecoat/Clearcoat (+)
- OEM Acrylic Enamels (+)

\* Bare metal substrates must be thoroughly cleaned and sanded and either treated with the appropriate two step metal treatments or primed with DX1791, DPX170 or DPX171 before NCS1996 sealer application. Sealer film performance is obtained with a minimum build of 1.5 mils when used over metal treatments or wash primers.

(+) Must be cured and sanded

## Directions for Use

### Preparation



- Wash the area to be painted with soap and water, then clean with DX330 ACRYLI-CLEAN® Wax and Grease Remover, DX393 Low VOC Cleaner or DX394 Low VOC Cleaner.



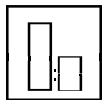
- Sand old finishes with 320 - 400 grit dry by hand or machine 600 wet. Sand bare metal areas completely with 180 - 240 grit (machine).



- Reclean with DX330, DX393 or DX394 cleaner. Final wipe with clean damp cloth when using DX393 or DX394.

- Bare metal sections must be chemically prepared with the appropriate two step metal treatments or pre-primed with a quality PPG Wash Primer. Sealer properties are gained with a minimum NCS1996 film build of 1.5 mils over the wash primers or metal treatments.

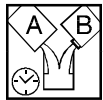
### Mixing Ratios:



#### NCS1996 Sealer

#### NCX285 Catalyst

**2 : 1**

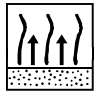


Pot life is 30 minutes at 70°F (21°C)  
Acetone or DTV reducers may be added at 5-10% by volume to the catalyzed sealer. The reduced product will gain up to 15 minutes in pot life.

### Application and Dry Times:



Apply: 1-2 wet coats  
Fluid Tip: 1.4-1.6 mm or equivalent  
Air Pressure: 10 PSI at the cap for HVLP  
50-60 PSI at the gun for conventional gun



Between Coats: 5-10 minutes  
Dust Free: 20-30 minutes

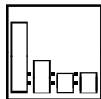


To Topcoat: 1 Coat 30 minutes  
2 Coats 45 minutes  
Dry to Scuff: 75 min. at 70°F (21°C) or 60 min. at 90°F (32°C)  
for 1 coat.  
NCS1996 must be scuffed, after the listed times.

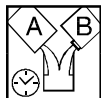
### Equipment Cleaning:

Thoroughly clean after each use with DX590 All Purpose Clean Up Solvent or DT Reducers.

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**Tinting:**

<u>NCS1996</u>	<u>NCX285</u>	<u>DT Reducer</u>	<u>DMC, DCC, DMD*</u>
4	2	1	1



Premix the NCS1996/NCX285 for 30 seconds, then add the appropriate reducer and tint and mix until uniform.  
Pot life is 30 minutes at 70°F (21°C).



\* Do Not use “basecoat only” bases

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**Technical Data:**

	<u>Standard Package</u>	<u>Tinted</u>
Color	Light Gray	Variable
VOC Ready to Spray	2.8	3.5 max*
Total Solids by Weight (RTS)	79.1	69.4*
Total Solids by Volume (RTS)	65.4	54.4*
Sq. Ft. Coverage (1 mil at 100% transfer Efficiency)	1048	872*
Recommended Dry Film mils	1.5-2.0 mils	1.5-2.0

\* These values were calculated with DMC904 and DT870. These numbers will vary depending upon the chosen tint base and reducer. To maintain a RTS VOC of 3.5 or less, the tint base must have a package VOC of 4.6 or lower.

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**Compatible Topcoats:** NCS1996 Primer **may be** topcoated with:

CONCEPT® (DCC) Acrylic Urethane  
CONCEPT® LV (CLV) Acrylic Urethane  
DELSTAR®/DELTHANE® ULTRA (DAR/DXR 80) Acrylic Enamel  
DELTRON® (DBU) Universal Basecoat  
DELTRON® 2000 (DBC) Basecoat\*\*

\*\* **DX57** must be added to DBC Color at 1.5 oz. per RTS qt.

**IMPORTANT:** The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

**See Material Safety Data Sheet and Labels for additional safety information and handling instructions.**

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (304) 843-1300. IN CANADA (514) 645-1320. PPG Industries, 19699 Progress Drive, Strongsville, Ohio, 44136

PPG Canada 2301 Royal Windsor Drive, Mississauga, Ontario L5J 1K5  
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