

**Corrosion Resistant Primers**

**NCP270 Red**  
**NCP271 Gray**

NCP270 & 271 are premium-quality, corrosion-resistant primers developed for today's advanced technology finishes such as the *DELTRON®* and *CONCEPT®* topcoat systems. Featuring a 3.5 VOC, these primers are free of chrome, lead and isocyanates.

NCP270 & 271 offer superior sanding characteristics and excellent gloss holdout. They can be used over sanded original finishes and properly prepared, clean bare metal.

NCP270/271 must be mixed with NCX275 catalyst. NCP270/271 may be used as a non-sanding primer. To obtain optimum application characteristics the addition of a DT reducer is required.



**Features**

- User friendly
- Hi solids/Low VOC
- Can be used as primer or primer sealer

**Advantages**

- Quick dry time
- Easy mixing & sanding
- Complies with VOC regulations

**Benefits**

- Increase productivity
- Labor savings
- Meets future VOC requirements
- Reduced inventory
- Direct to topcoat
- Excellent gloss holdout

**Compatible Surfaces**

**NCP270 and 271 may be applied over:**

- Properly cleaned and sanded fiberglass
- Properly cleaned and sanded E-Coat
- Cured and sanded OEM finishes
- Properly prepared and treated bare steel and aluminum
- Properly cleaned, sanded and treated galvanized steel
- *DELTRON®* plastic adhesion promoter or etch primer\*
- *DELTRON®* 2K primer surfacer\*
- DP Epoxy Primer LF\*

\* Prime complete panels or extend NCT Primer Surfacer application well beyond the first primer (or exposed substrate) and maintain a minimum dry film of 2.0 mils after sanding. Insufficient NCT Primer Surfacer films may result in lifting on color applications.

**Required Products**

	<b>Hardeners</b>
Corrosion Resistant Primer Catalyst	NCX275



# NCP270/271

## Directions for Use

### Surface Preparation:



#### NCP270/271 Corrosion Resistant Primers

- Wash the area to be painted with soap and water, then clean with appropriate PPG Cleaner.
- Sand the bare metal areas completely with 80 – 180 grit abrasive. Sand old finishes with 320 – 400 grit dry by hand or machine or 600 grit wet. Exposed bare metal should be spot primed with a suitable bare metal primer.
- Re-clean with the appropriate PPG cleaner.
- Two step metal treatments or the use of a wash primer coating will improve the adhesion and performance properties of the finished system.
- A two step metal treatment or wash primer is required over sanded clean galvanized steel substrate.
- Prime aluminum within 8 hours. Prime carbon steel immediately after cleaning.

### Mix Ratio:



NCP270 or NCP271 : DT Reducer : NCX275  
 3 : 0 – 1/2 : 1

A half part reducer may be added to modify application characteristics particularly for non-sanding primer uses.

**Note:** Shake or stir thoroughly before mixing to ensure proper performance.



Pot Life is 1 hour at 70°F (21°C).

Pot life is shortened as temperatures increase.

### Spraygun Set-up:



Apply:	1 wet coat as non-sanding primer 2 – 4 wet coats as surfacer
Fluid Tip:	1.4 – 1.6 mm or equivalent
Air Pressure:	10 PSI at the cap for HVLP 45 – 50 PSI at the gun for conventional gun

### Dry Times:



Between Coats:	Allow 5 – 10 minutes dry between coats
Recommended Dry Film Build:	
Surfacer (After sanding)	2.0 – 6.0 mils
Non-sanding Primer	1.5 – 1.8 mils
Dry to Topcoat:	30 minutes at 70°F (21°C) for 1 coat non-sanding primer application
Dry to Sand:	1 – 2 hours at 70°F (21°C)
Purge Time:	10 minutes at 70°F (21°C)
Force Dry:	20 – 30 minutes at 140°F (60°C)
IR (Infrared):	20 minutes for Medium Wave 10 minutes for Short Wave
Dust Free Time:	20 minutes

**Note:** NCP270/271 must be sanded prior to topcoat application if allowed to dry more than 8 hours.

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## Directions for Use

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### Compatible Topcoats:

*CONCEPT*<sup>®</sup> (DCC) Acrylic Urethane  
*CONCEPT*<sup>®</sup> LV (CLV) Acrylic Urethane Color  
DAS302x V-Seal<sup>™</sup> Acrylic Urethane Sealer  
DPLF Epoxy Primer  
*DELSTAR*<sup>®</sup> / *DELTHANE*<sup>®</sup> (DAR/DXR80) Polyurethane  
*DELTRON*<sup>®</sup> 2000 (DBC) Basecoat\*  
*DELTRON*<sup>®</sup> (DBU) Universal Basecoat  
DPS305x V-Prime<sup>™</sup> Acrylic Urethane Surfacer\*  
DX54 *ROADGUARD*<sup>®</sup> Chip Resistant Coating  
K36 *PRIMA*<sup>™</sup> Acrylic Urethane Wet-on-Wet Sealer†  
K93 Tintable Primer (as a sealer)†  
NCS2000 Series Sealers†  
NCS1990 Compliant Wet-On-Wet Sealer†  
SX1056 Flexible 2K Sealer (Specialty Performance Products)  
**\*Must be sealed before applying black DBC**  
**†NCP270/271 must be sanded before topcoat**

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### Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with DX590 All Purpose Clean-up Solvent, or DTL *DURACRYL*<sup>®</sup> Lacquer Thinners.

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### \*Technical Data:

If mixed	3 : 1	3 : 1/2 : 1
VOC (Ready to Spray)	3.5 lbs./U.S. Gallon	3.9 lbs./U.S. Gallon
Total Solids by Weight (RTS)	72.8 %	67.7 %
Total Solids by Volume (RTS )	54.2 %	48.1%
Sq. Ft. Coverage/U.S. Gallon (1 mil 100% transfer efficiency)	868	772
Recommended wet film build per coat	3.5	3.0
Recommended dry film build per coat	2.0 – 2.5	1.5 – 1.8

\* These are typical values. Depending on the tint chosen, the calculated values can vary.

# NCP270/271

## Corrosion Resistant Primers

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**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.

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

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Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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