

Corrosion Resistant Primer

NCP270/271

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 is red in color while NCP271 is gray. 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 or NCX290 catalysts. 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 sanded steel*
- Properly cleaned, sanded and treated galvanized steel #*
- Properly cleaned, sanded aluminum*
- Properly cleaned and sanded fiberglass.
- Cured and sanded OEM finishes (excluding lacquer)
- DF Body Filler Fully cured and sanded
- DPLF Epoxy Primer using DP402LF Fast Epoxy Primer Catalyst*
- DPX170 Wash Primer*
- DX1791 Self Etching Primer*
- DPX171 Non-Chrome Self Etching Primer*
- DPX801 Universal Plastics Adhesion Promoter*
- SX/SXA1050 Plastic Adhesion Promoter (Specialty Performance Products)*

MUST be treated with DX579 / DX520 Metal Cleaner/Conditioner or coated with DX1791 or DPX170 or DPX171 before applying NCP270 or NCP271.

* NCP270/271 should completely overlap when used over the listed substrates and should have a minimum film build of 2.0.

Required Products

	Hardeners
Corrosion Resistant Primer Catalyst	NCX275
Pretreatment Catalyst	NCX290



NCP270/271

Directions for Use

Surface Preparation:



- Wash the area to be painted with soap and water, then clean with DX330 ACRYLI-CLEAN® Wax and Grease Remover, DX393 0.6 Low VOC Cleaner or DX394 1.4 Low VOC 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.
- Re-clean with D320, DX330, DX393 or DX394. Final wipe with a clean damp cloth to remove any DX393 or DX394 cleaner residue.
- 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 substrate within 8 hours. Prime carbon steel immediately after cleaning.

Mix Ratio:



NCP270 or NCP271 : DT Reducer : NCP275 or NCP290
3 : 0 – 1/2 : 1

Pot Life is 1 hour at 70°F (21°C). Pot life is shortened as temperatures increase. 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.

Note: NCP270/271 when used with NCX290 Pretreatment Catalyst in place of NCX275 meets the VOC limits of a pretreatment coating in air quality districts where the category has been established.

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 Medium Wave	20 minutes
IR Short Wave	10 minutes
Dust Free Time:	20 minutes

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

Directions for Use

Compatible Topcoats:

NCP270/271 may be topcoated with:

DPLF Epoxy Primer*
K36 *PRIMA*™ Acrylic Urethane Wet-on-Wet Sealer*
NCS1990 Compliant Wet-on-Wet Sealer*
NCS *NCT*® 2K Sealers*
NCS2000 Series*
NCS1996 Low VOC Sealer*
K93 Tintable Primer Sealer*
CONCEPT® (DCC) Acrylic Urethane
CONCEPT® LV (CLV) Acrylic Urethane Color
DELTRON® (DBU) Universal Basecoat
Deltron® 2000 (DBC) Basecoat
DELSTAR®/*DELTHANE*® (DAR/DXR80) Polyurethane Acrylic Enamel
SX1056 Flexible 2K Sealer (Specialty Performance Products)

*NCP270/271 must be sanded before topcoat

Technical Data:

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

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

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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Resistant Primer**



PPG Automotive Refinish

World Leaders In Automotive Finishes

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