

2.1 VOC Primer Surfacer

NCP280

NCP 280 is a premium quality, high build surfacer developed for today's advanced technology finishes, such as the Deltron® and Concept® topcoat systems. It has been designed specifically for customers who require a 2.1 VOC primer surfacer and are able to use acetone as an exempt solvent. NCP 280 is free of chrome, lead and isocyanates.

NCP 280 offers superior sanding characteristics and excellent gloss holdout. It can be used over sanded original finishes and properly-prepared, cleaned bare metal. NCP280 must be mixed with NCX285 catalyst.



Features

- User friendly
- Direct to topcoat
- High solids/Low VOC

Advantages

- Quick dry time
- Easy mixing & sanding
- Meets VOC regulations
- Builds quickly

Benefits

- Increased productivity
- Labor savings
- Reduced inventory

Compatible Surfaces

NCP280 may be applied over:

- Properly cleaned and sanded steel*
- Properly cleaned and sanded galvanized steel*
- Properly cleaned and sanded aluminum or fiberglass
- Cured and sanded OEM finishes (excluding Lacquer)
- DF Body Fillers cured and sanded
- DPX170 Wash Primer**
- DPX171 Non-Chrome Self Etching Primer**
- DPX801 Universal Plastics Prime**

* Steel and Galvanized steel **MUST** be treated with DX579 / DX520 Metal Cleaner/ Conditioner or coated with DPX171 or DPX170 before applying NCP280.

** NCP280 should completely overlap when used over the listed substrates and should have a minimum film build of 2 mils after sanding.

Required Products

	Hardener
Primer Surfacer Activator	NCX285



NCP280

Directions for Use

Preparation:



- 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 substrate within 8 hours.
- **Prime carbon steel immediately after cleaning.**

Mixing Ratios:



NCP 280 : NCX 285
2 : 1

Pot Life is 1/2 hour at 70°F (21°C).
Pot life is shortened as temperatures increase.

Additives:



None

Application:



Apply: 2 – 4 coats

Spraygun Set-up:



Fluid Tip: 1.2-1.5 mm or equivalent
Air Pressure: 10 PSI at the cap for HVLP guns
45-50 PSI at the gun for conventional gun

Drying Times:



Between Coats 5 – 10 minutes
70°F / 21°C

Dust Free: 10 minutes
70°F / 21°C



Dry to Sand: 2 – 4 hours
70°F / 21°C

Purge Time: 20 minutes
70°F / 21°C



Force Dry: 30 minutes*
140°F (60°C)

IR (Infrared)
Medium Wave 20 minutes
Short Wave 10 minutes

* Baking times are for quoted metal temperature. Additional time should be allowed in the force-drying schedule to allow metal to reach recommended temperature.

Directions for Use

Compatible Topcoats:

CONCEPT® (DCC) Acrylic Urethane
CONCEPT® LV (CLV) Acrylic Urethane Color
DAS302x V-Seal™ Acrylic Urethane Sealer
DELSTAR®/DELTHANE® (DAR/DXR 80) Acrylic Polyurethane Enamel
DELTRON® 2000 (DBC) Basecoat
DELTRON® (DBU) Universal Basecoat
DPLF Epoxy Primer
DPS305x V-Prime™ Acrylic Urethane Surfacer *
K 36 PRIMA™ Acrylic Urethane Wet-on-Wet Sealer
K93 Tintable Primer (as a sealer)
NCS1990 Compliant Wet-on-Wet Sealer
NCS 2000 Series Sealers
SX1056 Flexible 2K Sealer (Specialty Performance Products)
**Must be sealed before applying black DBC*

Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG General Purpose Solvent.

Technical Data:

RTS Combinations:	NCP280 : NCX285
Volume Ratio:	2 : 1
Applicable Use Category	Primer
VOC Actual (g/l)	206
VOC Actual (lbs/gal)	1.72
VOC Regulatory (less water less exempt) (g/l)	226
VOC Regulatory (less water less exempt) (lbs/gal)	1.89
Density (g/l)	1304
Density (lbs/gal)	10.88
Volatiles wt. %	21.5
Water wt. %	0.0
Exempt wt. %	5.8
Water vol. %	0.0
Exempt vol. %	9.5
Sq. Ft Coverage / US Gal (RTS)	540
Recommended wet film build per coat	3.0 – 4.0 mils
Recommended dry film build per coat	1.4 – 1.8 mils

These are typical values. Depending on the tint chosen, the calculated values can ???

NCP280

2.1 VOC Primer Surfacer

Important:

The contents of this package must 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 (412) 434-4515; 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.

PPG Automotive Refinish

World Leaders In Automotive Finishes

PPG Industries
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
1-888-310-4762