

## Self Etching / Wash Primer

# DPX170/171

DPX170 Wash Primer and DPX171 Non-Chrome Self Etching Primer are specifically designed to provide excellent adhesion and corrosion resistance to properly prepared steel and aluminum, while offering fast drying characteristics. They also serve as pretreatment coatings in most areas where VOC compliance is required. DPX170 contains chrome pigments, which may be prohibited by local legislation.

### Features

- Fast Dry Formulas
- Adhesion To Most Metal Substrates
- Pigmented

### Advantages

- Faster Through Put
- Fewer Products Needed
- Easy to See

### Benefits

- Higher Productivity
- Lower Finishing Costs
- Better Quality Jobs

### Compatible Surfaces

#### DPX170/171 may be applied over:

- Properly Cleaned and Sanded Steel
- Properly Cleaned and Sanded Galvanized Metal
- Properly Cleaned and Sanded Aluminum
- **Not Recommended for Fiberglass**

### Required Products

	Catalyst
Etching Primer Catalyst	DPX172
Slow Etching Primer Catalyst	DPX173

**Note:** DPX173 is intended for application on large surfaces or high temp/high humidity conditions. Pot life is 24 hours at 70°F (21°C). Stir thoroughly. If applying DPX170/171 to clean, bare metal substrates, metal treatments are NOT REQUIRED OR ADVISABLE.

**Note:** DPX170/171 may be used for spot repairs involving existing cured OEM and refinish systems. Slight overlap of DPX170/171 onto painted surfaces and body filler is acceptable, but should be kept to a minimum.

**Caution:** DPX170/171 *should not* be applied over media blasted steel or directly on body filler.

# DPX170/171

## 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, SX1005 0.4 VOC Cleaner Wax and Grease Remover, DX394 1.4 Low VOC Cleaner or SX1004 Plastic Cleaner & Prep.
- Sand the bare metal areas completely with 80 – 180 grit abrasive.
- Re-clean with DX320, DX330, DX394 or SX1005. Final wipe with a clean damp cloth to remove any cleaner residue.
- DX103 may be used as a final wipe.
- Prime aluminum substrate as soon as possible and no later than 8 hours after cleaning steps.
- Prime carbon steel immediately after cleaning.

### Mix Ratio:



**DPX170 or DPX171 : DPX Catalyst**  
**1 : 1**



Pot life is 24 hours at 70°F (21°C)  
*Pot life is shortened as temperatures increase.*

### Spraygun Set-up:



Apply: 1 coat for small areas  
2 coats for large areas  
DO NOT apply excessive film builds in order to avoid poor adhesion or drying characteristics.

Fluid tip: 1.3 – 1.5 mm or equivalent

Air pressure: 5 – 10 PSI at the air cap for HVLP guns  
40 – 50 PSI at the gun for conventional guns

### Dry Times:



Between coats: 10 – 15 minutes

Dry to topcoat: 20 minutes at 70°F (21°C) for 1 coat applications  
30 minutes at 70°F (21°C) for 2 coat applications

**Note:** After 24 hours, lightly scuff DPX Primer. Maintain 0.5 mil minimum. Recoat with additional DPX Primer, if necessary.

**DPX170 contains chromium compounds.**

**DO NOT** inhale sanding dusts from DPX170. See the warnings on the label and MSDS for additional information.

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## Directions for Use

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### Compatible Topcoats:

#### DPX170/171 may be topcoated with:

NCP250/260 NCT®, Primer Surfacer/Activator

NCP270/271 Corrosion Resistant Primer

NCP280 2.1 VOC Primer Surfacer

DZ KONDAR®, Acrylic Primer Surfacer

K36 PRIMA™ Acrylic Urethane Primer Surfacer

K36 PRIMA™ Acrylic Wet-On-Wet Sealer\*

K38 High Build Primer Surfacer

K93 Tintable Surfacer

K93 Tintable Sealer\*

NCS1990 Compliant Wet-On-Wet Sealer

DELSTAR®/DELTHANE® (DAR/DXR80) Acrylic Polyurethane Enamel

**Note:** Do not apply DP Epoxy Primer over DPX170/ 171.

*\*When applying K36 and K93 as a sealer over DPX171, insure a minimum 1.0 mil of sealer is applied over the DPX171. The optimum sealer dry time to topcoat is 15 – 45 minutes at 70°F (21°C). If the sealer is allowed to dry beyond this period, an overnight dry is recommended.*

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### Equipment Cleaning:

Spray guns, gun caps, storage pots, etc. should be cleaned thoroughly after each use with DX590 All Purpose Clean-up Solvent or DTL Duracryl® Lacquer Thinners.

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### Technical Data:

	DPX170	DPX171
VOC less exempt solvents (RTS)	6.06 lb./US gal. (726 g/l)	6.04 lb./US gal. (724 g/l)
Volume Solids (RTS)	11.3%	11.7%
Sq. Ft. Coverage @ 0.5 mil (RTS at 100% Transfer)	362	374
Wet Film Build per Coat	0.5 – 0.6 mils	0.5 – 0.6 mils
Recommended Dry Film	0.5 – 0.9 mils	0.5 – 0.9 mils
Dry to Scuff at 70°F (21°C)	30 minutes	60 minutes
Dry to Topcoat at 70°F (21°C)	20 minutes	20 minutes

# DPX170/171

**Self Etching /  
Wash Primer**

**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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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.

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