

## Chrome Free Self Etching Primer

# DX1793

DX1793 Chrome Free Self Etching Primer is specifically designed for commercial fleet refinishing. The product provides excellent adhesion and corrosion resistance when applied to properly prepared aluminum, galvanized steel and steel substrates. DX1793 offers a choice of three catalyst/reducers which optimize dry speed for shop conditions. DX1793 is easy to apply and quickly dries to a smooth, easy-to-see film.

Features	Advantages	Benefits
<ul style="list-style-type: none"> <li>• Quick Dry Formula</li> </ul>	<ul style="list-style-type: none"> <li>• Faster Dry To Topcoat</li> </ul>	<ul style="list-style-type: none"> <li>• Better Productivity</li> </ul>
<ul style="list-style-type: none"> <li>• Adhesion To Most Substrates</li> </ul>	<ul style="list-style-type: none"> <li>• Fewer Products Needed</li> </ul>	<ul style="list-style-type: none"> <li>• Lower Inventory Costs</li> </ul>
<ul style="list-style-type: none"> <li>• Pigmented</li> </ul>	<ul style="list-style-type: none"> <li>• Easy To See</li> </ul>	<ul style="list-style-type: none"> <li>• Better Quality Jobs</li> </ul>

### Compatible Surfaces

DX1793 may be applied over:

- Properly prepared steel and aluminum
- Properly prepared stainless steel\*
- Properly prepared galvanized metal\*
- Properly prepared galvaneal\*

\* Sand these substrates prior to the application of other primers or topcoats using 180-240 grit wet or dry.

	Catalysts
Catalyst for DX1793 (Fast)	DX1794
Catalyst for DX1793 (Medium)	DX1795
Catalyst for DX1793 (Slow)	DX1796



# APPLICATION GUIDE **DX1793**

**Preparation:**



- Wash the area to be painted with soap and water, then clean with DX436 or DX437 wax and grease remover. DX438 Low VOC Cleaner should be used in VOC restricted areas.
  - Aluminum and steel substrates do not need to be sanded.
  - Sand harder metal substrates, such as stainless steel or galvanized steel with 180-240 grit wet or dry.
  - Re-clean with DX436, DX437, DX438.
- PRIME ALUMINUM, STAINLESS AND CARBON STEEL IMMEDIATELY AFTER CLEANING.

**Mixing Ratio:**



DX1793 : DX1794, DX1795 or DX1796

1 part : 1 part

Use appropriate catalyst for shop temperature.

**Pot life:**



24 hours @ 70°F  
(High heat and humidity will shorten pot life.)

**Additives:**



Accelerator:	No Recommendation
Extender:	No Recommendation
Fisheye:	No Recommendation
Flex:	No Recommendation

**Spraygun set-up:**



**Fluid Tip**

1.0 - 1.3 mm for Pressure Feed/HVLP  
1.3 - 1.5 mm for Conventional Feed/HVLP

**Air Pressure**

HVLP at air cap	10 PSI
Conventional at spray gun	40-50 PSI

*Consult the Fleet Training Manual Spray Equipment Section for gun set-up requirements.*

**Minimum number of coats:**



1-2 medium coats

**Total film build per coat:**

	<b>Wet</b>	<b>Dry</b>
Minimum	5.0 mils	.6 mils
Maximum	6.5 mils	.8 mils

**Flash Time at 70°F:**



Between coats 10-15 minutes

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**Drying times:**

20 minutes minimum at 70°F for one coat  
30 minutes minimum at 70°F for two coats  
24 hours maximum

Note: After 24 hours, sand DX1793 with 400 grit (wet or dry) and reapply 1 coat of DX1793 before proceeding to the next undercoat or topcoat.

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**TEST PROPERTIES**

VOC Packaged	5.2 lbs. per U.S. gal.
VOC RTS Applied	6.1 lbs. per U.S. gal.
Weight Solids (RTS)	22.4%
Volume Solids (RTS)	12.0%
Square Foot Coverage (RTS US Gallon 100% Transfer Efficiency)	241 sq. ft.

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**Compatible Topcoats:**

DPHS52 Low VOC Primer  
DPU166 High Solids Chromate Primer (2.8 VOC)  
DPU174 High Solids Polyurethane Primer  
DELTA® (DSS) Medium Solids Polyurethane#  
DELTA® (DFHS) Fast Dry High Solids Polyurethane#

DELTA® (DUHS) High Solids Polyurethane #  
DELTA® (DVHS) Fast Dry 2.8 VOC Polyurethane #  
DELTA® (DGHS) Chemical Resistant Polyurethane 3.5 VOC #  
DELTA® (DGHS) Chemical Resistant Polyurethane 4.4 VOC #  
DELTA® (DHS) 2.8 VOC Polyurethane#

# For optimum properties, DX1793 must be sealed with one of the listed undercoats before topcoating.



# DX1793

Chrome Free  
Self Etching Primer

**INSTANT  
REFERENCE**

## INSTRUCTIONS FOR USE

### How to Mix:



Mix DX1793

**DX1793 : DX1794, 1795 or 1796**  
1 : 1

**Pot life:** 24 hours at 70°F

### Air Pressure:



**HVLP:** 10 PSI at the air cap

**Conventional:** 40-50 PSI at the gun

**Fluid tip:** 1.0 -1.3 mm for Pressure Feed/HVLP  
1.3 -1.5 mm for Conventional Feed/HVLP

### Application:



**Apply:** 1-2 medium coats

### Dry Time:



**Between coats:** 10-15 minutes

**Air Dry @ 70°F**

20 minutes for 1 coat  
30 minutes for 2 coats  
24 hours maximum

**PRODUCTS NEEDED FOR JOB**

For additional information,  
refer back to the complete FL300

## HEALTH AND SAFETY

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.



**PPG Industries**  
19699 Progress Drive  
Strongsville, Ohio 44136

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