

## DELTA® Chrome Free Self-Etching Primer

# DX1793

DELTA® 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

- Quick Dry Formula
- Adhesion To Most Substrates
- Pigmented

### Advantages

- Faster Dry To Topcoat
- Fewer Products Needed
- Easy To See

### Benefits

- Better Productivity
- Lower Inventory Costs
- Better Quality Job

### Compatible Surfaces

Delta DX1793 may be applied over:

- Properly prepared steel and aluminum
- Properly prepared galvanized metal\*
- Properly prepared stainless steel\*
- Properly prepared galvaneal\*
- Properly prepared O.E. enamel finishes

\*Sand these substrates prior to the application of DX1793 using 180-240 grit wet or dry.

### Catalysts

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



### Selection Of Substrate Cleaner:

#### OneChoice® Commercial CFX Cleaners

Code	Product	Purpose
CFX435LV	Low VOC Cleaner	Compliant cleaner suitable for removing dirt, grease or other contaminants before or during the painting process
CFX436	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process
CFX437	Heavy Duty Wax & Grease Remover	Used to remove heavy milling oils and grease from bare substrates prior to the painting process

**Preparation:**

- Wash the area to be painted with soap and water, and then clean with CFX436 or CFX437 wax and grease remover. CFX435LV 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 CFX435LV, CFX436, or CFX437.



- Prime aluminum, stainless and carbon steel immediately after cleaning.

**Mixing Ratio:****DX1794/DX1795****DX1793 : DX1796****1 part : 1 part***Use appropriate catalyst for shop temperature.***Pot Life:**

24 hours @ 70°F (21°C) and 50% RH  
*(High heat and humidity will shorten pot life)*

**Additives:**

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

**Spray Gun 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 or until hiding is achieved

**Total Film Build Per Coat:**

	<u>Wet</u>	<u>Dry</u>
Minimum	5.0 mils	0.6 mils
Maximum	6.5 mils	0.8 mils

**Flash Time at 70°F (21°C):**

Between coats 10-15 minutes

**Drying Times:**

20 minutes minimum @ 70°F (21°C) for 1 coat  
 30 minutes minimum @ 70°F (21°C) for 2 coats  
 24 hours maximum

After **24 hours**, sand DX1793 with 400 grit (wet or dry) and re-apply 1 coat of DX1793 before proceeding to the next undercoat or topcoat.

APPLICATION GUIDE		DX1793
<b>Test Properties:</b>		
	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 Gal 100% Transfer Efficiency)	241 sq. ft. @ 1 mil
<b>Compatible Topcoats:</b>		
DPHS52 Low VOC Primer	<i>Delta</i> (DUHS) High Solids Polyurethane*	
DPU174 High Solids Polyurethane Primer	<i>Delta</i> (DVHS) Fast Dry 2.8 VOC Polyurethane*	
DPU217 <i>Delta</i> 2.1 VOC Polyurethane Primer	<i>Delta</i> (DGHS) Chemical Resistant 3.5 VOC*	
<i>Delta</i> (DSS) Medium Solids Polyurethane*	<i>Delta</i> (DGHS) Chemical Resistant 4.4 VOC*	
<i>Delta</i> (DFHS) Fast Dry High Solids Polyurethane*	<i>Delta</i> (DHS) 2.8 VOC Polyurethane*	

\* For optimum properties, DX1793 must be sealed with one of the listed primers before topcoating.

### Health and Safety

Please refer to Material Safety Data Sheet (MSDS) for full health safety details and storage regulations.

### EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

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