

FL307

# Delta<sup>®</sup> Etch Filler

# DX1787

DX1787 Etch Filler is a 2K, acid-containing primer that provides minor fill when applying over properly prepared steel, galvanized steel, aluminum or fiberglass substrates. DX1787 Etch Filler exhibits very good adhesion and improves corrosion resistance when used under fleet primer surfacers and sealers.

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Features	Advantages	Benefits
<ul style="list-style-type: none"><li>• Long Pot Life</li></ul>	<ul style="list-style-type: none"><li>• Minimal Waste</li></ul>	<ul style="list-style-type: none"><li>• Lower Material Costs</li></ul>
<ul style="list-style-type: none"><li>• User Friendly</li></ul>	<ul style="list-style-type: none"><li>• Easy Blend Ratio No Induction Period</li></ul>	<ul style="list-style-type: none"><li>• Increased Productivity</li></ul>
<ul style="list-style-type: none"><li>• Fast Dry</li></ul>	<ul style="list-style-type: none"><li>• Quicker Time To Topcoat</li></ul>	<ul style="list-style-type: none"><li>• Increased Throughput</li></ul>

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## Compatible Surfaces

*DX 1787 may be applied over:*

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

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

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## Catalysts

Catalyst for DX1787

DX1788

# APPLICATION GUIDE

# DX1787

## Preparation:



- Wash the area to be painted with soap and water, and 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, and DX438.



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

## Mixing Ratio:



**DX1787 : DX1788**  
**1 : 1**

## Pot life:



7 days @ 70°F and 50% RH  
(High heat and humidity will shorten pot life)

## Additives:



Not Recommended

## Spraygun set-up:



### **Fluid Tip**

Pressure Feed/HVLP	1.6 – 1.8 mm
Conventional Feed/HVLP	1.6 – 1.8 mm

### **Air Pressure**

HVLP at air cap	10 PSI
Conventional at spray gun	35 - 40 PSI

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

## Minimum number of coats:



2 - 3 coats

## Total film build per coat:

	<b><u>Wet</u></b>	<b><u>Dry</u></b>
Minimum	4 mils	0.5 mils
Maximum	6 mils	1.0 mils

## Flash Time at 70°F (21°C):



Between coats      3 minutes

## Drying times:



30 minutes Air Dry @ 70°F (21°C)  
20 minutes Force Dry @ 140°F (42°C)

**After 2 weeks**, sand DX1787 with 400 grit (wet or dry) and re-apply 1 coat of DX1787 before proceeding to the next undercoat or topcoat.

**Note:** Force drying times are for quoted surface temperature. Additional time should be allowed in the force-drying schedule to allow surface to reach recommended temperature.

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<b>Test Properties</b>	Color	Yellow-Green
	VOC DX1787 Packaged	5.9 lbs. per U.S. gal
	VOC DX1788 Packaged	6.8 lbs. per U.S. gal
	VOC RTS Applied	6.4 lbs. per U.S. gal.
	Volume Solids (RTS)	8.04%
	Square Foot Coverage (RTS US Gal 100% Transfer Efficiency)	120 sq. ft. @ 1 mil

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**Compatible Topcoats:**

DPHS52 Low VOC Primer	DELTA <sup>®</sup> (DFHS) Fast Dry High Solids Polyurethane#
DPU166 High Solids Chromate Primer (2.8 VOC)	DELTA <sup>®</sup> (DUHS) High Solids Polyurethane
DPU174 High Solids Polyurethane Primer	DELTA <sup>®</sup> (DVHS) Fast Dry 2.8 VOC Polyurethane
DPU217 DELTA <sup>®</sup> 2.1 VOC Polyurethane Primer	DELTA <sup>®</sup> (DGHS) Chemical Resistant 3.5 VOC#
DEP351 DELTA <sup>®</sup> 3.5 Epoxy Primer VOC#	DELTA <sup>®</sup> (DGHS) Chemical Resistant 4.4 VOC#
DPS306 DELTA <sup>®</sup> 2K Primer Surfacer#	DELTA <sup>®</sup> (DHS) 2.8 VOC Polyurethane#
DELTA <sup>®</sup> (DSS) Medium Solids Polyurethane#	

# For optimum properties, DX1787 must be sealed with one of the listed undercoats before topcoating.

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





**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

# DX1787 Delta® Etch Filler

## INSTANT REFERENCE

### INSTRUCTIONS FOR USE

<b>How to Mix:</b> 	<table border="1"> <tr> <td style="text-align: center;"><u>DX1787</u></td> <td style="text-align: center;"><u>DX1788</u></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> </table>	<u>DX1787</u>	<u>DX1788</u>	1	1					
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<b>Additives:</b> 	<p><i>Not Recommended</i></p>									
<b>Gun Setup:</b> 	<p><i>HVLP: Conventional:</i></p> <p>10 PSI at the air cap 35 – 40 PSI at the gun</p> <p><i>Fluid tip:</i></p> <p>1.6 – 1.8 mm for Pressure Feed/HVLP 1.6 – 1.8 mm for Conventional Feed/HVLP</p>									
<b>Application:</b> 	<p><i>Apply:</i></p> <p>1 - 3 coats</p> <p><i>Between coats:</i></p> <p>3 minutes</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><b>Wet</b></td> <td style="text-align: center;"><b>Dry</b></td> </tr> <tr> <td><i>Total film build per coat</i></td> <td style="text-align: center;">4 mils</td> <td style="text-align: center;">0.5 mils</td> </tr> <tr> <td></td> <td style="text-align: center;">6 mils</td> <td style="text-align: center;">1.0 mils</td> </tr> </table>		<b>Wet</b>	<b>Dry</b>	<i>Total film build per coat</i>	4 mils	0.5 mils		6 mils	1.0 mils
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<b>Dry Times:</b> 	<p><i>Air Dry @ 70°F (21°C)</i>      30 minutes</p> <p><i>Force Dry @ 140°F (42°C)</i>      20 minutes</p> <p><b>Note:</b> After 2 weeks, sand DX1787 with 400 grit (wet or dry) and re-apply 1 coat of DX1787 before proceeding to the next undercoat or topcoat.</p>									

### PRODUCTS NEEDED FOR JOB

For additional information, refer back to the complete FL307.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the 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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