
Self Etching Wash Primer

DX1791

DX1791 is a transparent Self Etching Wash Primer specifically designed to provide excellent adhesion and corrosion resistance to properly prepared steel and aluminum while offering fast drying characteristics.

DX1791 also serves as a pretreatment coating in areas where VOC compliance is required. DX1791 must be mixed with DX1792 catalyst.

Features

- Fast Dry Formula
- Adhesion To Most Metal Substrates

Advantages

- Faster Through Put
- Fewer Products Needed

Benefits

- Higher Productivity
- Lower Finishing Costs

Compatible Surfaces

DX1791 may be applied over:

- Properly cleaned and sanded Steel
- Properly cleaned and sanded Galvanized Metal
- Properly cleaned and sanded Aluminum

- **Not Recommended for Fiberglass**

If applying DX1791 to clean, bare metal substrates metal treatments are NOT REQUIRED OR ADVISABLE.

Note: DX1791 may be used for spot repairs involving existing cured OEM and refinish systems. Slight overlap of DX1791 onto painted surfaces and body filler is acceptable, but should be kept to a minimum.

Caution: DX1791 *should not* be applied over media blasted steel or directly on body filler.

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Directions for Use

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.

Mixing Ratio:



DX 1791 : **DX 1792**
1 : **1**



Pot life is 8 hours at 70°F (21°C)
Pot life is shortened as temperatures increase.

Application:



Apply: 1 medium coat if a second primer is to be applied.
2 medium coats if an acceptable topcoat is to be applied (see Compatible Topcoat Section).
Do not apply excessive film builds to avoid poor adhesion and drying characteristics.

Air Pressure:

HVLP at air cap: 10 PSI
Conventional at the gun: 35 – 40 PSI

Spray Gun Set-up:



Fluid Tip: 1.3 – 1.5 mils

Directions for Use

Drying Times:



Between Coats: 5 – 10 min. dry between coats

Dry to Prime: 10 min. dry at 70°F (21°C)

Dry to Topcoat: 30 min. dry at 70°F (21°C)



Note: *DX1791 must be sanded and recoated after 24 hours at 70°F (21°C).*

Note: *If excessive films are applied, DX1791 must be sanded and removed after 1 hour at 70°F (21°C).*

Note: *Chrome dust is hazardous. Be sure to wear adequate respiratory equipment while sanding or spraying. See the warnings on the label and MSDS for additional information.*

Compatible Topcoats:

DAS302x <i>V-Seal</i> TM Acrylic Urethane Sealer	NCP270/271 Corrosion Resistant Primer
DP Epoxy Primer LF	NCP272 Tintable Corrosion Resistant Primer
DPS305x <i>V-Prime</i> TM Acrylic Urethane Surfacer	NCS1990 Compliant Wet-on-Wet Sealer
DPU35 <i>Durethane</i> [®] Primer	<i>Concept</i> [®] (DCC) Acrylic Urethane*
DZ <i>Kondar</i> [®] Acrylic Primer Surfacer	<i>Concept</i> [®] LV (CLC) Acrylic Urethane Color*
K36 <i>Prima</i> TM Acrylic Urethane Surfacer	<i>Delstar/Delthane</i> [®] (DAR/DXR80) Polyurethane Acrylic Enamel
K36 <i>Prima</i> TM Acrylic Urethane Wet-on-Wet Sealer	<i>Deltron</i> [®] 2000 (DBC) Basecoat*
K38 High Build Primer Surfacer	<i>Deltron</i> [®] (DBU) Universal Basecoat*
K93 Tintable Primer Surfacer/ Sealer	
NCP250/260 <i>NCT</i> [®] Primer Surfacer	

* *DX1791 must be primed or sealed prior to topcoating*

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.

Technical Data:

VOC less exempt Solvents (RTS)	6.46 lbs. per US Gal. (774 g/l)
Volume Solids (RTS)	4.8%
Sq. Ft. Coverage / US Gal. (RTS)	192
Recommended wet film build per coat	0.8 mils minimum
Recommended dry film build per coat	0.2 – 0.4 mils

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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.

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