



(7/98)

Form P-226

Metal Treatments

PPG DX Metal Treatments are specifically designed to condition and refinish metals for maximum adhesion and corrosion resistance.

Products:

DX 579: Metal Cleaner

DX 579 is a multi-purpose phosphoric acid based cleaner and prepaint conditioner for most metals. It can be used to deep clean a metal surface prior to paint or to prepare a surface for a subsequent chemical coating. DX 579 is blue in color and could lighten over time.

DX 520: Metal Conditioner

DX 520 is a phosphoric acid based coating chemical that will produce a zinc phosphate coating on galvanized or steel surfaces. DX 520 contains a small amount of detergent which aids in the removal of light soils and oils and promotes the formation of a uniform zinc phosphate coating. DX 520 is pale green in color and may turn darker over time.

DX 533: Aluminum Cleaner

DX 533 is a phosphoric acid based cleaner, brightener and prepaint conditioner for aluminum. It is used to deep clean and brighten an aluminum surface prior to welding, painting, or to prepare the surface for a subsequent chemical coating. DX 533 is clear in color.

DX 503: Aluminum Conditioner

DX 503 is a chromic acid based chemical that will produce a chrome conversion coating on aluminum and its alloys. The coating formed by DX 503 is medium orange in color and may darken over time.

DX 501: Aluminum Conditioner

DX 501 is a clear version of DX 503. The coating formed by DX 501 is clear in color. It is used when it is desirable to retain the silver white aluminum finish, either unpainted or with a clear finish over the chemical coating. Dilution with hot water may change the color of DX 501 coating to a darker shade similar to DX 503. DX 501 is light orange in color.

NOTE: If applying Wash Primer to clean bare metal substrates, metal etch pretreatment is not required or advisable.

APPLICATION: Steps to condition and refinish metals for maximum paint adhesion and corrosion resistance.

METAL	STEP # 1	STEP # 2
Iron (no cast iron) Steel Galvanized Galvaneal	Apply Metal Cleaner (DX 579) mixed 1:2 with water. Allow to react 2-3 minutes, then rinse. Water should sheet over entire surface. For Galvanized or Galvaneal, use abrasive pad while applying.	Apply Metal Conditioner (DX 520) straight from the container. Allow to react 1-2 minutes, then rinse well and dry. For Galvanized or Galvaneal use an abrasive pad. Prime with DP Epoxy Primer in the same day.
Aluminum	Apply Aluminum Cleaner (DX 533) mixed 1:3 with water. Allow to react 2-3 minutes and rinse well. Rinse water should sheet over entire surface.	For painted finish, apply Aluminum Conditioner (DX 503) straight from the container. Allow to react 1-3 minutes until a golden or tan color appears. Rinse well with water and dry.
Brass Copper Aluminum: to be clearcoated	Apply Metal Cleaner (DX 579) mixed 1:10 with cold water. Check a small spot first to be sure it does not discolor aluminum. Work from the bottom up.	For clear finish, apply Aluminum Conditioner (DX 501) mixed 1:1 with cold water and allow to react 1-3 minutes, then rinse well and dry. Apply clearcoat DAU 75 .
Chrome Nickel Stainless Steel	Apply Aluminum Cleaner (DX 533) and scour with an abrasive pad. Rinse well with water and dry.	Apply DP Epoxy Primer
Magnesium	No Recommendation	
Anodized Aluminum	No Recommendation	
Lead	Wash with a 1:1:1 (ammonia: alcohol: water) mixture.	Apply DP Epoxy Primer.

NOTES:

1. Read the printed instructions on the container prior to use.
2. For optimal results with Metal Cleaner DX 579 or Aluminum Cleaner DX 533, apply chemicals with acid resistant brush or synthetic abrasive pad (i.e. Ultra Fine Scotchbrite).
3. When treating galvanized or galvaneal metal, always use an abrasive pad.

IMPORTANT: 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 (304) 843-1300. IN CANADA (514) 645-1320.

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Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products listed may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods listed 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 material or process set forth herein.