

DX Metal Treatment

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



Suitability

Theoretical Solids

Content:

Volume: N/A

Shelf Life*

Single Component:

*For unopened product.

Pot Life of Mixed

Product:

N/A @ 77°F (25°C) and
50% RH

DX579: Metal Cleaner

DX579 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. DX579 is blue in color and could lighten over time.

DX520: Metal Conditioner

DX520 is a phosphoric acid based coating chemical that will produce a zinc phosphate coating on galvanized or steel surfaces. DX520 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. DX520 is pale green in color and may turn darker over time.

DX533: Aluminum Cleaner

DX533 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. DX533 is clear in color.

DX503: Aluminum Conditioner

DX503 is a chromic acid based chemical that will produce a chrome conversion coating on aluminum and its alloys. The coating formed by DX503 is gold to tan and becomes a part of the aluminum surface. DX503 is medium orange in color and may darken over time.

DX501: Aluminum Conditioner

DX501 is a clear version of DX503. The coating formed by DX501 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 DX501 coating to a darker shade similar to DX503. DX501 is light orange in color.

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

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1. _____
2. _____
3. _____

Application Procedure

Theoretical Solids Content:

Volume: N/A

Shelf Life*

Single Component:

*For unopened product.

Pot Life of Mixed Product:

N/A @ 77°F (25°C) and 50% RH

Metal	Step 1	Step 2
Iron (no cast iron) Steel Galvanized Galvaneal	Apply Metal Cleaner (DX579) 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 (DX520) 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 DPLF Epoxy Primer in the same day.
Aluminum	Apply aluminum cleaner (DX533) 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 (DX503) 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 clear coated	Apply Metal Cleaner (DX579) 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 (DX501) mixed 1:1 with cold water and allow to react 1–3 minutes, then rinse well and dry. Apply clearcoat DAU75.
Chrome Nickel Stainless Steel	Apply Aluminum Cleaner (DX533) and scour with an abrasive pad. Rinse well with water and dry.	Apply DPLF Epoxy Primer.
Magnesium	No Recommendation	
Anodized Aluminum	No Recommendation	
Lead	Wash with a 1:1:1 (ammonia : alcohol : water) mixture.	Apply DPLF Epoxy Primer.
<p>NOTES:</p> <ol style="list-style-type: none"> 1. Read the printed instructions on the container prior to use. 2. For optimal results with Metal Cleaner DX579 or Aluminum Cleaner DX533, 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. 		



Caution/Safety

Before opening the package, be sure you understand the warning label. 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.