



Technical Data Sheet

PRODUCT NAME: DX SERIES METAL TREATMENTS

Chemfil Canada's DX Series Metal Treatments are specifically designed to condition new or refinish metals for maximum adhesion and corrosion resistance.

Specifications Met:	Automotive – OEM Specification (Chrysler 12-270-2796, DX-520)
----------------------------	---

DX-579 METAL CLEANER

DX-579 Metal Cleaner is a multi-purpose phosphoric acid based cleaner and pre-paint 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 Metal Cleaner is blue in color and could lighten over time.

DX-533 ALUMINUM CLEANER

DX-533 Aluminum Cleaner is a phosphoric acid based cleaner, brightener and pre-paint conditioner for aluminum. It is used to deep clean and brighten an aluminum surface prior to welding, cleaning, or prepare the surface for a subsequent chemical coating. DX-533 Aluminum Cleaner is clear in colour.

DX-520 METAL CONDITIONER

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

DX-100 ZIRCObOND® METAL CONDITIONER

DX-100 Zircobond® Metal Conditioner is a zirconium based coating that will produce a thin, high quality uniform film of zirconium oxide on all substrates. DX-100 Zircobond® Metal Conditioner contains an accelerator which promotes a blue colour on cold rolled, hot rolled and galvanized substrates. A spot test is available to confirm the presence of a zirconium coating on aluminum substrates. DX-100 Zircobond® Metal Conditioner is a light blue colour.

Some of the products in the DX Series Metal Treatments have independent technical data sheets available, which provide additional details on their use. Please contact Chemfil Canada for additional information.

Below is a basic summary of the use of the DX Series Metal Treatments:

METAL	STEP #1	STEP #2
Iron (no cast iron) Cold Rolled Steel Hot Rolled Steel Galvanized Galvaneal Galvalume	Apply DX-579 Metal Cleaner mixed 1:2 with water. Allow to react 2-3 minutes, then rinse. Water should sheet over entire surface. For Galv substrates, use abrasive pad while applying.	Apply DX-520 Metal Conditioner or DX-100 Zircobond® Metal Conditioner straight from the container. Allow to react 1-2 minutes. Rinse well and dry. For Galv substrates use an abrasive pad.
Aluminum	Apply DX-533 Aluminum Cleaner 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 DX-100 Zircobond® Metal Conditioner straight from the container. Allow to react 1-2 minutes. Rinse well and dry.
Brass Copper Aluminum (to be clear coated)	Apply DX-579 Metal Cleaner mixed 1:10 with cold water. Check a small spot first to be sure it does not discolour the aluminum. Work from the bottom up.	For painted finish, apply DX-100 Zircobond® Metal Conditioner straight from the container. Allow to react 1-2 minutes. Rinse well and dry.
Chrome Nickel Stainless Steel	Apply DX-533 Aluminum Cleaner as-received and scour with an abrasive pad. Rinse well with water and dry.	For painted finish, apply DX-100 Zircobond® Metal Conditioner straight from the container. Allow to react 1-2 minutes. Rinse well and dry.

DX Series Metal Treatments are available through the PPG Chemfil Canada Order Desk at: 1-800-265-5057, or on our website www.chemfil.ca.