

**PLASTI DIP / PLASTI DIP SPRAY
CHEMICAL AND SOLVENT RECOMMENDATIONS**

AUTOMOTIVE

RECOMMENDATION

PROTECTION AGAINST

Motor Oil
Engine Coolant
Gasoline
Washer Fluid
Grease
Axle Lubricant
Brake Fluid
Battery Acid
Highway Salt-Water
Manure or Urine
Truck and Car Chassis
(frame, wheels and motor)

Not recommended
Although product offers some protection, film will soften
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Excellent choice
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Excellent choice
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HOUSHOLD

RECOMMENDATION

PROTECTION AGAINST

Chlorine (Bleach) Solution
Detergent Solution
Ammonia Solution
Salt-Water
Animal Waste and Urine
Kerosene / Oils
Drain Cleaners
Turpentine

Excellent choice
Excellent choice
Excellent choice
Excellent choice
Excellent choice
Not recommended
Excellent choice
Not recommended

INDUSTRIAL

RECOMMENDATION

PROTECTION AGAINST

Chlorinated Solvents
Ketones
Alcohols
Acids Used in Plating
Acids Used in Etching Glass
Caustics Used in Metal Treatment
Caustics Used Commercially

Not recommended
Not recommended
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Excellent choice
Excellent choice
Excellent choice
Excellent choice

TEST RESULTS CONCERNING PLASTI DIP CHEMICAL RESISTANCE

<u>CHEMICALS USED</u>	<u>STRENGTH</u>	<u>TEMPERATURE</u>	<u>RESISTANCE</u>
Ferric Chloride	100%	150 degrees F.	Slight staining and softness of film
H2SO4	5%	100 degrees F.	Pass
Potassium Hydroxide	3%	150 degrees F.	Pass
Potassium Permanganate	3%	150 degrees F.	Film stable – noticed staining
Sodium Hydroxide	10%	210 degrees F.	Noticed softness of film
Hydrochloric Acid	100%	Room Temp	Pass
Oxalic Acid	50%	Room Temp	Film stable in chemical / water solution
Fluoroboric Acid	25%	Room Temp	Pass
Tin/Lead – salt plating solution	100%	Room Temp	Pass
Copper – salt plating solution	100%	Room Temp	Pass
Gold Cyanide – plating solution	100%	140 degrees F.	Pass
Sodium Carbonate	10%	210 degrees F.	Pass
Sodium Hydroxide	10%	120 degrees F.	Noticed softness of film
Ammonia Hydroxide	100%	100 degrees F.	Pass
Methyl Ethyl Ketone	100%	Room Temp	Fail
Ethyl Alcohol	100%	Room Temp	Pass