

# PermaTec 5000

## PERMATEC 5000 CHEMICAL RESISTANCE GUIDE

Chemical resistance is based on testing at ambient temperatures in the specific chemical. For elevated temperature exposure, contact your ChemProof Polymers distributor.

### RATING KEY

- 1 = Suitable for constant immersion
- 2 = Suitable for short term containment and frequent spillage
- 3 = Suitable for intermittent spills when followed by prompt wash down
- C = Consult Your ChemProof Polymers Distributor
- \* = This chemical attacks silica. Consult Chemproof Polymers for a silica substitute and special application information.

This chart is an indication of general resistance based on records of performance in the field and laboratory testing. Because field conditions vary as to chemical concentrations, temperatures, housekeeping practices etc., users should confirm compatibility to each project, during the evaluation and selection process.

Test samples are available to assist users in selecting the appropriate product.

In some instances chemical exposure may stain or change the color of the coating, this does not necessarily indicate chemical attack has occurred. If aesthetics after chemical exposure is important, contact ChemProof Polymers for color and/or product recommendations during the selection process.



**CHEMPROOF  
POLYMERS  
INCORPORATED**

	Rating		Rating		Rating
Acetic Acid, 10%	1	Copper Nitrate	1	Nitric Acid, 20%	1
Acetic Acid, 20%	2	Copper Sulfate	1	Nitric Acid, 30%	2
Acetic Acid, Glacial	3	Corn Oil	1	Nitrobenzene	1
Acetone	2	Crude Oil, Sour	1	Oils	1
Acrylonitrile	2	Crude Oil, Sweet	1	Oleic Acid	1
Adipic Acid	1	Cyclohexane	1	Oxalic Acid	1
Alum	1	Cyclohexanol	2	Perchloroethylene	1
Aluminum Chloride	1	Cyclohexanone	2	Perchloric Acid	2
Aluminum Fluoride, 25%	1*	Diesel Fuel	1	Phenol	3
Aluminum Hydroxide	1	Diethylbenzene	1	Phosphoric Acid, 50%	1
Aluminum Nitrate	1	Ethyl Acetate	1	Phosphoric Acid, 85%	2
Aluminum Sulfate	1	Ethyl Alcohol	1	Phosphorous Acid	2
Ammonia	1	Ethylene Dichloride	2	Potassium Carbonate	1
Ammonium Bisulfite	1	Ethylene Glycol	1	Potassium Chloride	1
Ammonium Chloride	1	Fatty Acids	1	Potassium Dichromate	1
Ammonium Hydroxide	1	Ferric Chloride	1	Potassium Hydroxide	1
Ammonium Nitrate	1	Ferric Nitrate	1	Potassium Nitrate	1
Ammonium Sulfate	1	Ferric Sulfate	1	Propionic Acid	2
Barium Chloride	1	Ferrous Chloride	1	Propyl Acetate, 99%	1
Barium Hydroxide, 10%	1	Fluosilicic Acid, 10%	1*	Silver Nitrate	1
Barium Sulfate	1	Formaldehyde, 40%	1	Skydrol	1
Barium Sulfide	1	Formic Acid, 10%	2	Sodium Acetate	1
Barium Sulfite	1	Fuel Oil	1	Sodium Bicarbonate	1
Beer	1	Gasoline	1	Sodium Bisulfate	1
Benzene	1	Glycerine	1	Sodium Carbonate	1
Benzoic Acid	1	Hydrobromic Acid, 50%	1	Sodium Chloride	1
Black Liquor	1	Hydrochloric Acid, 37%	1	Sodium Chlorite	2
Bleach	C	Hydrofluoric Acid, 25%	1*	Sodium Hydroxide	1
Boric Acid	1	Hydrofluoric Acid, 48%	C	Sodium Hypochlorite	C
Brine	1	Hydrogen Peroxide	2	Sodium Sulfate	1
Butyl Acetate	1	Hydrogen Sulfide	1	Sodium Sulfide	1
Butyl Acrylate	2	Isopropyl Alcohol	1	Stannic Chloride	1
n-Butyl Alcohol	1	Jet Fuel	1	Stannous Chloride	1
Butyl Cellosolve Solvent	1	Kerosene	1	Stearic Acid	1
n-Butyric Acid	1	Lactic Acid	2	Styrene	2
Cadmium Chloride	1	Lead Acetate	1	Sugar	1
Calcium Chloride	1	Linseed Oil	1	Sulfuric Acid, 10%	1
Calcium Hydroxide	1	Lithium Chloride	1	Sulfuric Acid, 50%	1
Calcium Hypochlorite	C	Lithium Hypochlorite	C	Sulfuric Acid, 75%	1
Calcium Nitrate	1	Magnesium Bisulfite	1	Sulfuric Acid, 98%	1
Calcium Nitrite	1	Magnesium Carbonate	1	Tall Oil	1
Calcium Sulfate	1	Magnesium Chloride	1	Tannic Acid	1
Calcium Sulfite	1	Magnesium Hydroxide	1	Tetrahydrofuran, 15%	2
Carbon Dioxide Gas	1	Magnesium Sulfate	1	Tolulene	1
Carbon Dissulfide	1	Maleic Acid	1	1-1-Trichloroethane	1
Carbon Tetrachloride	1	Methanol	2	Trichloroethylene	2
Chlorine Dioxide	2	Methelene Chloride	C	Trisodium Phosphate	1
Chlorine Gas (dry & wet)	1	Methyl Ethyl Ketone	2	Urea	1
Chlorine Water	1	Methyl Methacrylate	1	Water, Deionized	1
Chlorobenzene	1	Mineral Spirits	1	Water, Distilled	1
Chloroform	2	Naptha	1	Xylene	1
Chromic Acid, 15%	1	Napthalene	1	Zinc Chloride	1
Chromic Acid, 32%	2	Nitric Acid, 10%	1	Zinc Sulfate	1