

5000 CHEMICAL RESISTANCE GUIDE

PERMACOAT 5000, PERMATEC 5000, PERMACAST 5000

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

RATING GUIDE		
1	=	Suitable for long term exposure
2	=	Suitable for short term containment and frequent spillage
3	=	Suitable for intermittent spills when followed by prompt washdown
NR	=	Not Recommended
C	=	Consult your ChemProof Polymers Distributor
*	=	This chemical attacks silica. Consult ChemProof Polymers for a silica substitute and special application information.

	Rating		Rating		Rating
Acetic Acid, 10%	1	Copper Nitrate	1	Nitric Acid, 20%	1
Acetic Acid, 20%	2	Copper Sulfate	1	Nitric Acid, 30%	1
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	Diethyl benzene	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, 25%	2*	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	Glycerin	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	Toluene	1
Carbon Disulfide	1	Maleic Acid	1	1-1-1 Trichloroethane	1
Carbon Tetrachloride	1	Methanol	2	Trichloroethylene	2
Chlorine Dioxide	2	Methylene 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	Naphtha	1	Xylene	1
Chromic Acid, 15%	1	Naphthalene	1	Zinc Chloride	1
Chromic Acid, 32%	2	Nitric Acid, 10%	1	Zinc Sulfate	1

Note: The recommendations contained herein are correct to the best of our knowledge for secondary containment applications. It is highly recommended that the end-user conduct their own independent compatibility tests.

ChemProof Polymers, Inc.
2750 Charles Page Blvd.
Tulsa, OK 74127
Phone: 918-584-0364
Fax: 918-584-0366
www.chemproof.com