

4000 CHEMICAL RESISTANCE GUIDE
PERMACOAT 4000, PERMATEC 4000, PERMACAST 4000

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, 0-20%	2	Chromic Acid, 32%	2	Nitric Acid, 10%	1
Acetic Acid, Glacial	NR	Copper Chloride	1	Nitric Acid, 20%	2
Acetone	2	Copper Nitrate	1	Nitric Acid, 30%	3
Acrylamide, 0-50%	1	Copper Sulfate	1	Nitrobenzene	2
Adipic Acid	2	Corn Oil	1	Oils	1
Alum	1	Crude Oil, Sour	1	Oleic Acid	2
Aluminum Bromide	1	Crude Oil, Sweet	1	Oxalic Acid	2
Aluminum Chloride	1	Cyclohexane	1	Perchloroethylene	1
Aluminum Fluoride, 25%	1*	Cyclohexanol	2	Perchloric Acid	2
Aluminum Hydroxide	1	Cyclohexanone	2	Phenol, 5%	2
Aluminum Nitrate	1	Diesel Fuel	1	Phosphoric Acid, 50%	1
Aluminum Sodium Chloride	1	Ethyl Acetate	2	Phosphoric Acid, 85%	2
Aluminum Sulfate	1	Ethyl Alcohol	1	Potassium Acetate	1
Ammonia	2	Ethyl Hexanol	1	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	Silver Nitrate	1
Barium Hydroxide, 10%	1	Fluosilicic Acid, 10%	1*	Skydrol	1
Barium Sulfate	1	Formaldehyde, 40%	1	Sodium Acetate	1
Barium Sulfide	1	Formic Acid, 10%	2	Sodium Bicarbonate	1
Barium Sulfite	1	Fuel Oil	1	Sodium Bisulfate	1
		Gasoline	1	Sodium Carbonate	1

Beer	1	Glycerin	1	Sodium Chloride	1
Benzene	1	Hydrobromic Acid	2	Sodium Cyanide	1
Benzoic Acid	1	Hydrochloric Acid, 37%	1	Sodium Hydroxide	1
Black Liquor	1	Hydrofluoric Acid, 0-20%	2*	Sodium Hypochlorite	C
Bleach	C	Hydrogen Peroxide	2	Sodium Sulfate	1
Boric Acid	1	Hydrogen Sulfide	1	Sodium Sulfide	1
Brine	1	Isopropyl Alcohol	1	Stannic Chloride	1
Butyl Acrylate	2	Jet Fuel	1	Stannous Chloride	1
n-Butyl Alcohol	1	Kerosene	1	Stearic Acid	1
Butyl Cellosolve Solvent	1	Lactic Acid	2	Styrene	2
n-Butyric Acid	1	Lead Acetate	1	Sugar	1
Cadmium Chloride	1	Linseed Oil	1	Sulfuric Acid, 10%	1
Calcium Chloride	1	Lithium Chloride	1	Sulfuric Acid, 50%	1
Calcium Hydroxide	1	Lithium Hydroxide	1	Sulfuric Acid, 75%	1
Calcium Hypochlorite	C	Magnesium Bisulfite	1	Sulfuric Acid, 98%	3
Calcium Nitrate	1	Magnesium Carbonate	1	Tall Oil	1
Calcium Nitrite	1	Magnesium Chloride	1	Tannic Acid	1
Calcium Sulfate	1	Magnesium Hydroxide	1	Toluene	1
Calcium Sulfite	1	Magnesium Sulfate	1	1-1-1 Trichloroethane	1
Carbon Dioxide Gas	1	Methanol	3	Trisodium Phosphate	1
Carbon Disulfide	2	Methyl Ethyl Ketone	2	Urea	1
Carbon Tetrachloride	2	Methyl Methacrylate	1	Water, Deionized	1
Chlorine Dioxide	2	Mineral Spirits	1	Water, Distilled	1
Chlorine Gas (dry & wet)	2	Naphtha	1	Xylene	1
Chlorine Water	1	Naphthalene	1	Zinc Chloride	1
Chlorobenzene	1	Nickel Chloride	1	Zinc Sulfate	1
Chlorobutane	1	Nickel Nitrate	1		
Chromic Acid, 15%	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