

CHEMICAL RESISTANCE CHART

ASTM D 1308, 75°F/50% RH

R – Recommended for Secondary Containment (72 Hour Exposure with Proper Clean Up).

S – Recommended for Intermittent Contact, Splash and Small Spills, without puddling or covering, coupled with proper cleanup. Not Recommended for Immersion or Fumes, proper housekeeping required to clean up spills.

F – Fumes only, Not Recommended for Other Exposures

N – Not Recommended.

D – Discoloration including dyeing, blemishes, loss of gloss, spotting, staining, tarnishing, etc. may occur.

Discoloration and its variations may not affect functional performance.

T – Testing may be required, consult Crossfield Products Corp. prior to specification, installation or exposure

	URETHANE/POLYASPARTIC				EPOXY	
	MiraThane MCU	MiraThane CRU 100	Glazetop 85	MiraTop UCS	MiraFlor CR-N	MiraFlor CQ
Acetaldehyde	S	S	S		R	S
Acetic Acid 10%	R	R	S		R	S
Acetic Acid 50%	N	N	N		S	N
Acetic Anhydride	S	S	N		S	N
Acetic Glacial	N	N	N		N	N
Aceto Nitrate	S	R	N		S	N
Acetone	R	R	S	N	R	S
Acetylene	S	S	S		R	S
Adipic Acid	S	S	S		R	S
Aluminum Chloride	N	N	N		R	N
Aluminum Nitrate	N	N	N		R	N
Aluminum Sulfate	N	N	N		R	N
Amidosulfonic Acid	N	N	N		R	N
Ammonia-Anhydrous	S	N	S		R	S
Ammonium Carbonate	S	S	S		R	S
Ammonium Chloride	S	S	S		R	S
Ammonium Hydroxide 10%	S	S	S	N	S	S
Ammonium Hydroxide <30%	S	N	N	N	S	N
Ammonium Nitrate	S	S	S		R	S
Ammonium Persulfate 10%	S	S	S		R	N
Ammonium Persulfate 50%	N	N	N		R	N
Ammonium Phosphate	N	S	N		R	N
Ammonium Sulfate 50%	N	S	N		R	N
Ammonium Sulfide	N	S	N		R	N
Ammonium Sulfite	N	S	N		R	N
Amul Alcohol	N	S	N		R	N
Amyl Acetate	N	N	N		S	N

Aniline	N	N	N		N	N
Antifreeze (Propylene glycol)	R	S	S	N	R	S
Aqua Regia	N	N	N		N	N
Barium Chloride	S	S	S		R	S
Barium Hydroxide 10%	S	S	S		R	S
Barium Nitrate	S	S	S		R	S
Barium Sulfide	S	S	S		R	S
Beer	S	S	S	N	R	S
Benzaldehyde	N	N	N		R	N
Benzene	N	S	N		R	N
Benzenesulfonic Acid	N	S	N		R	N
Benzoic Acid	S	S	N		R	N
Benzyl Acetate	N	S	N		R	N
Benzyl Alcohol	R	S	N		R	N
Benzyl Chloride	N	S	N		R	N
Black Liquor	S	S	S		S	S
Boric Acid	N	N	N		R	N
Bromine	N	S	N		R	N
Burtyric Acid	N	S	N		R	N
Butyl Acetate	N	S	N		R	N
Butyl Alcohol	N	S	N		R	N
Butyl Lactate	N	S	N		R	N
Cadmium Chloride	S	S	S		R	S
Cadmium Nitrate	S	S	S		R	S
Cadmium Sulfate	S	S	S		R	S
Calcium Bisulfite	S	S	S		R	S
Calcium Chlorate	S	S	N		R	N
Calcium Chloride	S	S	N		R	N
Calcium Hydroxide	S	R	S		R	S
Calcium Hypochlorite 10%	S	S	S		R	S
Calcium Hypochlorite <20%	N	N	N		R	N
Calcium Nitrate	S	S	S		R	S
Calcium Sulfate	S	S	S		R	S
Carbon Disulfide	N	S	N		R	N
Carbon Monoxide	S	S	S		R	S
Carbon Tetrachloride	S	S	S		R	S
Catsup	S	R	S		R	S
Chlorine (5000 ppm)	S	S	N	N	R	N
Chlorine Dry	N	S	N		R	N
Chlorine Gas	N	N	N		R	N
Chlorine Water	S	S	S		R	S
Chloroacetic Acid <10%	S	S	N		R	N
Chloroacetic Acid <25%	N	N	N		R	N
Chlorobenzene	N	N	N		S	N
Chloroform	N	S	N		R	N
Chlorona phthalene	N	N	N		S	N
Chloronitrobenzene	N	N	N		S	N

Chromic Acid <10%	S	S	S		R	N
Chromic Acid <25%	N	N	N		R	N
Chromic Acid 25%-35%	N	N	N		S	N
Chromic Chloride	S	S	N		S	N
Citric Acid 10%	R	R	S	N	R	S
Copper Acetate	S	S	S		R	S
Copper Chloride	S	S	S		R	S
Copper Fluoroborate	S	S	S		R	S
Copper Nitrate	S	S	S		R	S
Copper Sulfate	S	S	S		R	S
Cottage Cheese	R	R	R		R	R
Cottonseed Oil	S	R	S		R	S
Cresols	N	S	N		S	N
Cresylic Acid	N	S	N		S	N
Crude Oil	S	R	S		R	S
Cyclohexane	N	N	N		R	N
Cyclohexanol	N	N	N		S	N
Cyclohexanone	N	N	N		S	N
Dextrose	S	R	S		R	S
Diacetone Alcohol	S	S	N		R	N
Dichloroacetic Acid	N	S	N		R	N
Dichlorobenzene	N	N	N		S	N
Dichloroethylene	N	N	N		S	N
Diesel Fuel	S	S	S		R	S
Diethylene Glycol	S	R	S		R	S
Diethylenetriamine	S	S	N		R	N
Diethyl Ether	N	N	N		S	N
Diethyl Phthalate	S	R	S		R	S
Diglycolic	N	N	N		S	N
Dimethyl Formamide	S	S	N		S	N
Dimethyl Phthalate	S	S	S		R	N
Dimethylaminoethanol	S	S	N		R	N
Dinitrobenzene	N	N	N		S	N
Diphenyl	S	S	N		R	N
Diphenyl Oxide	S	S	N		R	N
Ethylene Dichloride	N	N	N		S	N
Ethyl Acetate	N	N	N		S	N
Ethyl Alcohol	N	S	S		R	S
Ethyl Chloride	N	N	N		S	N
Ethyl Sulfate	N	S	N		S	N
Ethylamine 40% aq.	N	N	S		S	N
Ethylene Glycol	S	S	S		R	S
Fatty Acids	S	S	S		R	S
Ferric Chloride	S	S	S		R	S
Ferric Sulfate	S	N	S		R	S
Fluorine <50%	N	N	N		R	N
Fluorosilic Acid 30%	N	N	N		R	N

Formaldehyde <37%	N	N	N		R	N
Formaldehyde <3%	S	S	S		R	S
Formic Acid 10%	N	N	N		R	N
Furfural	S	S	N		R	N
Furfuryl Alcohol	S	S	N		S	N
Gasoline	S	S	S		R	S
Glycerine	S	S	S		R	S
Glycol Acetate	N	N	N		S	N
Glycolic Acid	N	N	N		S	N
Gold Cyanide	N	S	N		S	N
Heptanoic Acid	N	N	N		S	N
Hexachlorocyclopentadiene	N	N	N		S	N
Hexane	N	S	N		R	N
Hydrobromic Acid <50%	N	N	N		R	N
Hydrochloric Acid <70%	N	N	N		S	N
Hydrochloric Acid 10%	S	S	N		S	N
Hydrochloric Acid 15%	N	N	N		S	N
Hydrochloric Acid 37%	N	N	N		S	N
Hydrochloric Acid 70%	N	N	N		S	N
Hydrocyanic Acid	N	N	N		S	N
Hydrofluoric Acid	N	N	N		S	N
Hydrofluoroboric Acid	N	N	N		S	N
Hydrofluosilicic Acid	N	N	N		N	N
Hydrogen Peroxide 10%	S	S	S		S	S
Hydrogen Sulfide	S	S	S		R	S
Hydroquinone	S	S	S		R	S
Hydrosilicofluoric Acid	N	N	N		S	N
Hypo (Photographic Solution)	N	S	N		R	N
Iron Chloride	S	S	S		R	S
Iron Nitrate	S	S	S		R	S
Iron Sulfate	S	S	S		R	S
Isopropyl Alcohol	S	S	N	N	R	N
Isopropyl Ether	S	S	N		R	N
Jet Fuel	S	S	N		R	N
Kerosene	S	S	N		R	N
Ketchup	S	S	S	N	R	S
Lactic Acid <10%	S	S	S		R	S
Lactic Acid <25%	N	S	N		R	N
Lactic Acid <85%	N	N	N		S	N
Lard	S	S	S		R	S
Lead Acetate	S	S	S		R	S
Lead Nitrate	S	S	S		R	S
Linseed Oil	S	S	S		R	S
Magnesium Bisulfite	S	S	S		R	S
Magnesium Chloride	S	S	S		R	S
Magnesium Hydroxide	S	S	S		R	S
Magnesium Sulfate	S	S	S		R	S

Maleic Acid	N	N	N		N	N
Maleic Anhydride	N	N	N		S	N
Mercuric Acetate	N	N	N		S	N
Mercuric Chloride	N	N	N		S	N
Mercury	N	S	N		R	N
Methanol	N	S	N		S	N
Methyl Acetate	N	S	N		N	N
Methyl Alcohol	N	S	N		S	N
Methyl Amine 40%	N	N	N		S	N
Methyl Cellosolve	S	S	N		S	N
Methyl Chloride	N	N	N		N	N
Methyl Ethyl Ketone	N	S	N	N	S	N
Methyl Naphthalene	N	S	N		S	N
Methyl Sulfate	N	N	N		N	N
Methylcyclohexanol	S	S	N		S	N
Methylene Chloride	N	N	N		S	N
Milk	R	R	R		R	R
Mineral Oil	R	R	R		R	R
Mineral Spirits	R	S	N		R	N
Mustard	R	R	R		R	R
Naphthalene	S	S	N		R	N
Nickel Chloride	S	S	S		R	S
Nickel Nitrate	S	S	S		R	S
Nickel Sulfate	S	S	S		R	S
Nitric Acid >30%	N	N	N		S	N
Nitric Acid >50%	N	N	N		N	N
Nitric Acid 10%	N	S	N		S	N
Nitric Oxide	N	N	N		S	N
Nitrobenzene	N	N	N		N	N
Nitropropane	N	N	N		S	N
Nitrosylsulfuric Acid	N	N	N		S	N
Oleic Acid	S	S	S		R	S
Oxalic Acid	S	S	N		R	N
Oxygen	N	S	N		R	N
Paraffin	S	S	S		R	S
P-dimethylaminebenzophenone	N	N	N		S	N
Perchloric Acid	N	N	N		N	N
Phenol	N	N	N		S	N
Phosphoric Acid 10%	S	N	N		R	N
Phosphoric Acid 50%	S	N	N		S	N
Phosphoric Acid 70%	N	N	N		N	N
Phosphoric Acid 85%	N	N	N		N	N
Phosphorous Acid	N	N	N		R	N
Phthalic Acid	N	N	N		R	N
Pine Oil	S	R	S		R	S
Potassium Bicarbonate	S	R	S		R	S
Potassium Carbonate	S	R	S		R	S

Potassium Chlorate 50%	N	N	N		S	N
Potassium Chloride	N	S	N		R	N
Potassium Cyanide	N	S	N		R	N
Potassium Ferricyanide	N	S	N		R	N
Potassium Ferrocyanide	N	S	N		R	N
Potassium Hydroxide	R	S	N		R	N
Potassium Nitrate	N	S	N		R	N
Potassium Permanganate	S	S	N		R	N
Potassium Peroxide	N	S	N		R	N
Potassium Persulfate	N	S	N		R	N
Potassium Sulfate	N	S	N		R	N
Potassium Sulfide	N	S	N		R	N
Pyridine	N	N	N		S	N
Quinoline Sulfate	N	N	N		S	N
Salicylic Acid	S	S	N		R	N
Silicone	S	S	S		R	S
Silver Nitrate	S	S	S		R	S
Skdrol 500B-GL	R	S	N		R	N
Sodium Acetate	S	S	S		R	S
Sodium Bicarbonate	S	S	N		R	N
Sodium Bichromate	S	S	N		R	N
Sodium Chlorate	S	S	N		R	N
Sodium Chloride >10%	S	S	S		R	S
Sodium Chloride, 20%	S	S	S		R	S
Sodium Chloride	S	S	S		R	S
Sodium Chloride (salt)	S	S	S		R	S
Sodium Cyanide	S	S	N		S	N
Sodium Hydroxide >10%	S	S	S		R	R
Sodium Hydroxide 60%	S	S	S		R	R
Sodium Hydroxide Anhydrous Solid	R	R	R		R	R
Sodium Hydroxide Aqueous <73	R	S	R		R	R
Sodium Hypochlorite <16%	N	S	N	N	S	N
Sodium Hypochlorite <6%	N	S	N	N	S	N
Sodium Hypochlorite 50 ppm	N	S	S		R	S
Sodium Hypochlorite 5000 pmm	N	N	N		S	N
Sodium Nitrate	S	S	N		R	N
Sodium Peroxide	N	S	N		R	N
Sodium Phosphate	S	S	N		R	N
Sodium Sulfate	N	S	N		R	N
Sodium Sulfide	N	S	N		R	N
Stannic Chloride	N	N	N		R	N
Stannic Sulfate	N	S	N		R	N
Stearic Acid	N	S	N		R	N
Sulfur Chloride	N	N	N		N	N
Sulfur Dioxide	N	S	N		S	N
Sulfur Trioxide Dry	N	N	N		S	N
Sulfur Trioxide Wet	N	S	N		N	N

Sulphuric Acid 10%	S	R	N		R	N
Sulphuric Acid 50%	N	N	N		R	N
Sulphuric Acid 70%	N	N	N		R	N
Sulphuric Acid 98%	N	N	N		R	N
Sulphuric Acid-Fuming	N	N	N		N	N
Sulphurous Acid <10%	S	S	S		R	S
Tannic Acid 20%	N	S	N		R	N
Tetrahydrofuran	N	S	N		S	N
Tetrachloroethane	N	N	N		N	N
Toluene	S	R	N	N	R	N
Toluenesulfonic Acid	N	S	N		R	N
Trichloroacetic Acid	N	N	N		S	N
Trichloroethylene	N	N	N		S	N
Triethanolamine	S	S	S		R	S
Trisodium Phosphate	S	S	S		R	S
Turpentine	S	S	S		R	S
Urea	R	S	S		R	S
Vegetable Oil	R	S	S	N	R	S
Vinegar	R	S	N	N	R	N
Water	R	R	R	N	R	R
Whiskey	S	S	S		R	S
Xylene	R	S	N		R	N
Zinc Chloride	N	S	N		R	N
Zinc Nitrate	N	S	N		R	N
Zinc Sulfate	N	S	N		R	N