



## CHEMICAL RESISTANCE CHART (ASTM C276 @ 75°F/24°C)

### MiraGard Enriching Sealer

CHEMICAL	Key	Test	CHEMICAL	Key	Test
Acetaldehyde	R		Butyl Lactate	R	
Acetic Acid 10%	R		Burtyric Acid	R	
Acetic Acid <50%	S		Cadmium Chloride	R	
Acetic Anhydride	S		Cadmium Nitrate	R	
Acetic Glacial	N		Cadmium Sulfate	R	
Aceto Nitrate	S		Calcium Bisulfite	R	
Acetone	R		Calcium Chlorate	R	
Acetylene	R		Calcium Chloride	R	
Adipic Acid	R		Calcium Hydroxide	R	
Aluminum Chloride	R		Calcium Hyochlorite <20%	R	
Aluminum Nitrate	R		Calcium Nitrate	R	
Aluminum Sulfate	R		Calcium Sulfate	R	
Amidosulfonic Acid	R		Carbon Disulfide	R	
Ammonia-Anhydrous	R		Carbon Monoxide	R	
Ammonium Carbonate	R		Carbon Tetrachloride	R	
Ammonium Chloride	R		Catsup	R	
Ammonium Hydroxide <30%	S		Chlorine Dry	R	
Ammonium Nitrate	R		Chlorine (5000 ppm)	R	
Ammonium Persulfate 50%	R		Chlorine Gas	R	
Ammonium Phosphate	R		Chlorine Water	R	
Ammonium Sulfate 50%	R		Chloroacetic Acid <25%	R	
Ammonium Sulfide	R		Chlorobenzene	S	
Ammonium Sulfite	R		Chloroform	R	
Amyl Acetate	S		Chlorona phthalene	S	
Amul Alcohol	R		Chloronitrobenzene	S	
Aniline	N		Chromic Acid <25%	R	
Antifreeze (Propylene glycol)	R		Chromic Acid 25%-35%	S	
Aqua Regia	N		Chromic Chloride	S	
Barium Chloride	R		Citric Acid 10%	R	
Barium Hydroxide 10%	R		Copper Acetate	R	
Barium Nitrate	R		Copper Chloride	R	
Barium Sulfide	R		Copper Fluoroborate	R	
Beer	R		Copper Nitrate	R	
Benzaldehyde	R		Copper Sulfate	R	
Benzene	R		Cottage Cheese	R	



CHEMICAL	Key	Test	CHEMICAL	Key	Test
Benzenesulfonic Acid	R		Cottonseed Oil	R	
Benzoic Acid	R		Cresols	S	
Benzyl Chloride	R		Cresylic Acid	S	
Benzyl Acetate	R		Crude Oil	R	
Benzyl Alcohol	S		Cyclohexane	R	
Black Liquor	S		Cyclohexanol	S	
Boric Acid	R		Cyclohexanone	S	
Bromine	R		Dextrose	R	
Butyl Acetate	R		Diacetone Alcohol	R	
Butyl Alcohol	R		Dichloroacetic Acid	R	
Dichlorobenzene	S		Hydrogen Sulfide	R	
Dichloroethylene	S		Hydroquinone	R	
Diesel Fuel	R		Hydrosilicofluoric Acid	S	
Diethyl Phthalate	R		Hyochlorous Acid 10%	R	
Diethylene Glycol	R		Hypo (Photographic Solution)	R	
Diethylenetriamine	R		Iron Chloride	R	
Diethyl Ether	S		Iron Nitrate	R	
Diglycolic	S		Iron Sulfate	R	
Dimethylaminoethanol	R		Isopropyl Ether	R	
Dimethyl Formamide	S		Isopropyl Alcohol	R	
Dimethyl Phthalate	R		Jet Fuel	R	
Dinitrobenzene	S		Kerosene	R	
Diphenyl	R		Ketchup	R	
Diphenyl Oxide	R		Lactic Acid <25%	R	
Ethyl Acetate	S		Lactic Acid <85%	S	
Ethyl Alcohol	R		Lard	R	
Ethylamine 40% aq.	S		Lead Acetate	R	
Ethyl Chloride	S		Lead Nitrate	R	
Ethylene Dichloride	S		Linseed Oil	R	
Ethylene Glycol	R		Magnesium Bisulfite	R	
Ethyl Sulfate	S		Magnesium Chloride	R	
Fatty Acids	R		Magnesium Hydroxide	R	
Ferric Chloride	R		Magnesium Sulfate	R	
Ferric Sulfate	R		Maleic Acid	N	
Fluorine <50%	S		Maleic Anhydride	S	
Fluorosilic Acid 30%	R		Mercuric Acetate	S	
Formaldehyde <3%	R		Mercuric Chloride	S	
Formic Acid 10%	R		Mercury	R	
Furfural	R		Methanol	S	
Furfuryl Alcohol	S		Methyl Acetate	N	
Gasoline	R		Methyl Alcohol	S	
Glycerine	R		Methyl Amine 40%	S	



CHEMICAL	Key	Test	CHEMICAL	Key	Test
Glycol Acetate	S		Methyl Cellosolve	S	
Glycolic Acid	S		Methylcyclohexanol	S	
Gold Cyanide	S		Methyl Ethyl Ketone	S	
Heptanoic Acid	S		Methyl Naphthalene	S	
Hexachlorocyclopentadiene	S		Methyl Sulfate	N	
Hexane	R		Methyl Chloride	N	
Hydrobromic Acid <50%	R		Methylene Chloride	S	
Hydrochloric Acid <70%	S		Milk	R	
Hydrocyanic Acid	S		Mineral Oil	R	
Hydrofluoroboric Acid	S		Mineral Spirits	R	
Hydrofluoric Acid	S		Nickel Nitrate	R	
Hydrofluosilicic Acid	N		Mustard	R	
Hydrogen Peroxide 10%	R		Naphthalene	R	
Nickel Chloride	R		Sodium Chlorate	R	
Nickel Sulfate	R		Sodium Chloride	R	
Nitric Acid 10%	S		Sodium Cyanide	S	
Nitric Acid >30%	S		Sodium Hypochlorite 50 ppm	R	
Nitric Acid >50%	N		Sodium Hyochlorite 5000 pmm	S	
Nitric Oxide	S		Sodium Hyochlorite <6%	S	
Nitrobenzene	N		Sodium Hyochlorite <16%	S	
Nitrosylsulfuric Acid	S		Sodium Hydroxide Aqueous <73	R	
Nitropropane	S		Sodium Hydroxide Anhydrous Solid	R	
Oleic Acid	R		Sodium Nitrate	R	
Oxalic Acid	R		Sodium Peroxide	R	
Oxygen	R		Sodium Phosphate	R	
P-dimethylaminebenzophenone	S		Sodium Sulfate	R	
Paraffin	R		Sodium Sulfide	R	
Perchloric Acid	N		Stannic Chloride	R	
Phenol	S		Stannic Sulfate	R	
Phosphoric Acid 10%	R		Stearic Acid	R	
Phosphoric Acid 50%	S		Sulfur Chloride	N	
Phosphorous Acid	R		Sulfur Dioxide	S	
Phthalic Acid	R		Sulfur Trioxide Dry	S	
Pine Oil	R		Sulfur Trioxide Wet	N	
Potassium Bicarbonate	R		Sulphuric Acid <60%	S	
Potassium Carbonate	R		Sulphuric Acid 70%	S	
Potassium Chlorate 50%	S		Sulphuric Acid 98%	S	
Potassium Chloride	R		Sulphuric Acid-Fuming	N	
Potassium Cyanide	R		Sulphurous Acid <10%	R	
Potassium Ferricyanide	R		Tannic Acid 20%	R	
Potassium Ferrocyanide	R		Tetrachloroethane	N	
Potassium Hydroxide	R		Tetrahydrofuran	S	



CHEMICAL	Key	Test	CHEMICAL	Key	Test
Potassium Nitrate	R		Toluene	R	
Potassium Permanganate	R		Toluenesulfonic Acid	R	
Potassium Peroxide	R		Trichloroacetic Acid	S	
Potassium Persulfate	R		Trichloroethylene	S	
Potassium Sulfate	R		Triethanolamine	R	
Potassium Sulfide	R		Trisodium Phosphate	R	
Pyridine	S		Turpentine	R	
Quinoline Sulfate	S		Urea	R	
Salicylic Acid	R		Vegetable Oil	R	
Silicone	R		Vinegar	R	
Silver Nitrate	R		Water	R	
Skdrol 500B-GL	R		Whiskey	R	
Sodium Acetate	R		Xylene	R	
Sodium Bicarbonate	R		Zinc Chloride	R	
Sodium Hydroxide 60%	R		Zinc Nitrate	R	
Sodium Bichromate	S		Zinc Sulfate	R	

## KEY TO CHEMICAL RESISTANCE CHART

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.

### NOTE:

1. If no reagent concentration is noted above the Key is for all concentrations.
2. Carefully review Crossfield Products Corp., Introduction to Chemical Resistance prior to specification, installation and use.