

CROSSFIELD PRODUCTS CORP.

Miracote Division

CQ Resin and Hardener

Chemical Resistant Chart ASTM D1308 @ 75°F (24°C)

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

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Dichlorobenzene	N	Hydrogen Sulfide	S
Dichloroethylene	N	Hydroquinone	S
Diesel Fuel	S	Hydrosilicofluoric Acid	N
Diethyl Phthalate	S	Hyochlorous Acid 10%	N
Diethylene Glycol	S	Hypo (Photographic Solution)	N
Diethylenetriamine	N	Iron Chloride	S
Diethyl Ether	N	Iron Nitrate	S
Diglycolic	N	Iron Sulfate	S
Dimethylaminoethanol	N	Isopropyl Ether	N
Dimethyl Formamide	N	Isopropyl Alcohol	N
Dimethyl Phthalate	S	Jet Fuel	N
Dinitrobenzene	N	Kerosene	N
Diphenyl	N	Ketchup	S
Diphenyl Oxide	N	Lactic Acid <10%	S
Ethyl Acetate	N	Lactic Acid >10%	N
Ethyl Alcohol	S	Lard	S
Ethylamine 40% aq.	N	Lead Acetate	S
Ethyl Chloride	N	Lead Nitrate	S
Ethylene Dichloride	N	Linseed Oil	S
Ethylene Glycol	S	Magnesium Bisulfite	S
Ethyl Sulfate	N	Magnesium Chloride	S
Fatty Acids	S	Magnesium Hydroxide	S
Ferric Chloride	S	Magnesium Sulfate	S
Ferric Sulfate	S	Maleic Acid	N
Fluorine <50%	N	Maleic Anhydride	N
Fluorosilicic Acid 30%	N	Mercuric Acetate	N
Formaldehyde <3%	S	Mercuric Chloride	N
Formic Acid 10%	N	Mercury	N
Furfural	N	Methanol	N
Furfuryl Alcohol	N	Methyl Acetate	N
Gasoline	S	Methyl Alcohol	N
Glycerine	S	Methyl Amine 40%	N
Glycol Acetate	N	Methyl Cellosolve	N
Glycolic Acid	N	Methylcyclohexanol	N
Gold Cyanide	N	Methyl Ethyl Ketone	N
Heptanoic Acid	N	Methyl Naphthalene	N
Hexachlorocyclopentadiene	N	Methyl Sulfate	N
Hexane	N	Methyl Chloride	N
Hydrobromic Acid <50%	N	Methylene Chloride	N
Hydrochloric Acid <70%	N	Milk	R
Hydrocyanic Acid	N	Mineral Oil	R
Hydrofluoroboric Acid	N	Nickel Nitrate	S
Hydrofluoric Acid	N	Mineral Spirits	N
Hydrofluosilicic Acid	N	Mustard	R
Hydrogen Peroxide 10%	S	Naphthalene	N

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Nickel Chloride	S	Sodium Chlorate	N
Nickel Sulfate	S	Sodium Chloride >10%	S
Nitric Acid 10%	N	Sodium Cyanide	N
Nitric Acid >30%	N	Sodium Hypochlorite 50 ppm	S
Nitric Acid >50%	N	Sodium Hypochlorite 5000 ppm	N
Nitric Oxide	N	Sodium Hypochlorite <6%	N
Nitrobenzene	N	Sodium Hypochlorite <16%	N
Nitrosylsulfuric Acid	N	Sodium Nitrate	N
Nitropropane	N	Sodium Peroxide	N
Oleic Acid	S	Sodium Phosphate	N
Oxalic Acid	N	Sodium Sulfate	N
Oxygen	N	Sodium Sulfide	N
P-dimethylaminebenzophenone	N	Sodium Hydroxide Aqueous <73%	R
Paraffin	S	Sodium Hydroxide Anhydrous Solid	R
Perchloric Acid	N	Stannic Chloride	N
Phenol	N	Stannic Sulfate	N
Phosphoric Acid 10%	N	Stearic Acid	N
Phosphoric Acid 50%	N	Sulfur Chloride	N
Phosphorous Acid	N	Sulfur Dioxide	N
Phthalic Acid	N	Sulfur Trioxide Dry	N
Pine Oil	S	Sulfur Trioxide Wet	N
Potassium Bicarbonate	S	Sulphuric Acid <60%	N
Potassium Carbonate	S	Sulphuric Acid 70%	N
Potassium Chlorate 50%	N	Sulphuric Acid 98%	N
Potassium Chloride	N	Sulphuric Acid-Fuming	N
Potassium Cyanide	N	Sulphurous Acid <10%	S
Potassium Ferricyanide	N	Tannic Acid 20%	N
Potassium Ferrocyanide	N	Tetrachloroethane	N
Potassium Hydroxide	N	Tetrahydrofuran	N
Potassium Nitrate	N	Toluene	N
Potassium Permanganate	N	Toluenesulfonic Acid	N
Potassium Peroxide	N	Trichloroacetic Acid	N
Potassium Persulfate	N	Trichloroethylene	N
Potassium Sulfate	N	Triethanolamine	S
Potassium Sulfide	N	Trisodium Phosphate	S
Pyridine	N	Turpentine	S
Quinoline Sulfate	N	Urea	S
Salicylic Acid	N	Vegetable Oil	S
Silicone	S	Vinegar	N
Silver Nitrate	S	Water	R
Skdrol 500B-GL	N	Whiskey	S
Sodium Acetate	S	Xylene	N
Sodium Bicarbonate	N	Zinc Chloride	N
Sodium Hydroxide >10%	S	Zinc Nitrate	N
Sodium Bichromate	N	Zinc Sulfate	N

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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 specificatin, installation or exposure.
NOTE:	
1. Results are based on CQ Resin and Hardener primary use is in CQ Broadcast flooring system. For additional chemical resistant for systems using CQ Resin and Hardener, groutcoat and topcoat with other Miracote product(s).	
2. If no reagent concentration is noted above the Key is for all concentrations.	
3. Carefully review Crossfield Products Corp., Introduction to Chemical Resistance prior to specification, installation and use.	