



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

CQ Clear Epoxy

| 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 | S | | 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 Hypochlorite <20% | S | |
| 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 | S | |
| 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 | S | |
| Amyl Acetate | S | | Chlorona phthalene | S | |
| Amul Alcohol | R | | Chloronitrobenzene | S | |
| Aniline | N | | Chromic Acid <25% | S | |
| 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 | S | | 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 | S | |
| Benzyl Alcohol | S | | Cyclohexane | S | |
| Black Liquor | S | | Cyclohexanol | S | |
| Boric Acid | R | | Cyclohexanone | S | |
| Bromine | R | | Dextrose | R | |
| Butyl Acetate | S | | Diacetone Alcohol | R | |
| Butyl Alcohol | R | | Dichloroacetic Acid | R | |
| Dichlorobenzene | S | | Hydrogen Sulfide | R | |
| Dichloroethylene | S | | Hydroquinone | R | |
| Diesel Fuel | S | | 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 | S | |
| 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 | S | |
| Gasoline | S | | 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 | S | |
| 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 Hypochlorite 5000 ppm | S | |
| Nitric Oxide | S | | Sodium Hypochlorite <6% | S | |
| Nitrobenzene | N | | Sodium Hypochlorite <16% | S | |
| Nitrosylsulfuric Acid | S | | Sodium Hydroxide Aqueous <73 | R | |
| Nitropropane | S | | Sodium Hydroxide Anhydrous Solid | S | |
| 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 | S | | 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.