

CHEMICAL RESISTANCE CHART (ASTM D1308 @ 75°F/24°C)

Cheminert CFS

CHEMICAL	Key	Test	CHEMICAL	Key	Test
Acetaldehyde	S		Butyl Lactate	N	
Acetic Acid 10%	S		Butyric 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	N		Calcium Chlorate	N	
Acetylene	S		Calcium Chloride	N	
Adipic Acid	S		Calcium Hydroxide	S	
Aluminum Chloride	N		Calcium Hyochlorite <20%	S	
Aluminum Nitrate	N		Calcium Nitrate	S	
Aluminum Sulfate	N		Calcium Sulfate	S	
Amidosulfonic Acid	N		Carbon Disulfide	N	
Ammonia-Anhydrous	N		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 10%	S		Chlorine Gas	N	
Ammonium Phosphate	N		Chlorine Water	N	
Ammonium Sulfate 50%	N		Chloroacetic Acid <10%	N	
Ammonium Sulfide	N		Chlorobenzene	N	
Ammonium Sulfite	N		Chloroform	N	
Amyl Acetate	N		Chlorona phthalene	N	
Amul Alcohol	S		Chloronitrobenzene	N	
Aniline	N		Chromic Acid <10%	S	
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	

CHEMICAL	Key	Test	CHEMICAL	Key	Test
Benzoic Acid	N		Cresols	S	
Benzyl Chloride	N		Cresylic Acid	N	
Benzyl Acetate	N		Crude Oil	S	
Benzyl Alcohol	N		Cyclohexane	N	
Black Liquor	N		Cyclohexanol	N	
Boric Acid	N		Cyclohexanone	N	
Bromine	N		Dextrose	S	
Butyl Acetate	N		Diacetone Alcohol	N	
Butyl Alcohol	N		Dichloroacetic Acid	N	
Dichlorobenzene	N		Hydrogen Sulfide	S	
Dichloroethylene	N		Hydroquinone	S	
Diesel Fuel	N		Hydrosilicofluoric Acid	N	
Diethyl Phthalate	S		Hyochlorous Acid 10%	N	
Diethylene Glycol	S		Hypo (Photographic Solution)	N	
Diethlenetriamine	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	S	
Dimethyl Phthalate	S		Jet Fuel	N	
Dinitrobenzene	N		Kerosene	N	
Diphenyl	N		Ketchup	S	
Diphenyl Oxide	N		Lactic Acid <25%	N	
Ethyl Acetate	N		Lactic Acid <85%	N	
Ethyl Alcohol	N		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	N		Maleic Acid	N	
Fluorine <50%	N		Maleic Anhydride	N	
Fluorosilic Acid 30%	N		Mercuric Acetate	N	
Formaldehyde <37%	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	

CHEMICAL	Key	Test	CHEMICAL	Key	Test
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 <10%	S		Milk	R	
Hydrocyanic Acid	N		Mineral Oil	R	
Hydrofluoroboric Acid	N		Mineral Spirits	S	
Hydrofluoric Acid	N		Nickel Nitrate	S	
Hydrofluosilicic Acid	N		Mustard	R	
Hydrogen Peroxide 10%	S		Naphthalene	N	
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 Hydroxide Aqueous < 73	S	
Nitropropane	N		Sodium Hydroxide Anhydrous Solid	S	
Oleic Acid	N		Sodium Nitrate	N	
Oxalic Acid	N		Sodium Peroxide	N	
Oxygen	N		Sodium Phosphate	N	
P-dimethylaminebenzophenone	N		Sodium Sulfate	N	
Paraffin	S		Sodium Sulfide	N	
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 <10%	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	

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

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. Results are based on Cheminert CFS Pigmented Mortar and Slurry Binder and Groutcoat without a Dex-O-Tex chemical resistant topcoat. For enhanced chemical resistance see Posi-Tred CR novolac epoxy or Aero-Flor.
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.