



## RESISTANCE TO CORROSION

QUEEN CITY PLASTICS PVC conduit and fittings are produced from compounds which are resistant to attack from a wide variety of chemicals. The following list indicates the results of laboratory tests under specific conditions.

		72°F	140°F			72°F	140°F			72°F	140°F		
Acetic Acid 0-20%	G	L		Carbon Dioxide Gas/Wet	E	E		Hydrogen Phosphide	E	E	Potassium Fluoride	E	E
Acetic Acid 20-30%	G	L		Carbon Dioxide	E	E		Hydrogen Sulfide - Dry	E	E	Potassium Hydroxide	E	E
Acetic Acid 30-60%	G	L		Aqueous Solution	E	E		Aqueous Solution	E	E	Potassium Nitrate	E	E
Acetic Acid 80%	L	L		Carbon Monoxide	E	E		Hydroquinone	E	E	Potassium Perborate	E	E
Acetic Acid-Glacial	L	U		Caustic Potash	E	E		Hydroxylamine Sulfate	E	E	Potassium Perchlorate	E	E
Acetic Acid Vapors	G	G		Caustic Soda	E	E		Iodine	E	E	Potassium Permanganate 10%	G	G
Acetylene	E	E		Chloroacetic Acid	E	U		Kerosene	E	E	Potassium Persulfate	E	E
Adipic Acid	E	E		Chloral Hydrate	E	E		Lactic Acid 28%	E	E	Propene	E	E
Alum	E	E		Chlorine Gas (Dry)	G	G		Lauric Acid	E	E	Propyl Alcohol	G	U
Aluminum Chloride	E	E		Chlorine Gas (Moist)	L	L		Lauryl Chloride	E	E	Silicic Acid	E	E
Aluminum Fluoride	E	E		Chlorine Water	E	E		Layryl Sulfide	E	E	Silver Cyanide	E	E
Aluminum Hydroxide	E	E		Chlorosulfonic Acid	E	--		Lead Acetate	E	E	Silver Nitrate	E	E
Aluminum Oxichloride	E	E		Chrome Alum	E	E		Lime Sulfur	E	E	Silver Plating Solutions	E	G
Aluminum Nitrate	E	E		Chromic Acid 10%	G	U		Linoleic Acid	E	E	Sodium Acetate	E	E
Aluminum Sulfate	E	E		Chromic Acid 30%	G	U		Linseed Oil	E	E	Sodium Arsenite	E	E
Ammonia-Dry Gas	E	E		Chromic Acid 40%	L	U		Lubricating Oils	E	E	Sodium Benzoate	E	E
Ammonium Bifluoride	E	E		Chromic Acid 50%	L	U		Magnesium Carbonate	E	E	Sodium Bicarbonate	E	E
Ammonium Carbonate	E	E		Chloric Acid	E	E		Magnesium Chloride	E	E	Sodium Bisulfate	E	E
Ammonium Chloride	E	E		Copper Chloride	E	E		Magnesium Hydroxide	E	E	Sodium Bisulfite	E	E
Ammonium Hydroxide 2%	E	E		Copper Cyanide	E	E		Magnesium Nitrate	E	E	Sodium Bromide	E	E
Ammonium Metaphosphate	E	E		Copper Fluoride	E	E		Magnesium Sulfate	E	E	Sodium Chlorate	G	L
Ammonium Nitrate	E	E		Copper Nitrate	E	E		Maleic Acid	E	E	Sodium Chloride	E	E
Ammonium Persulfate	E	E		Copper Sulfate	E	E		Maleic Anhydride	G	G	Sodium Cyanide	E	E
Ammonium Phosphate	E	E		Crabapple Oil	E	E		Mecuric Chloride	G	G	Sodium Dichromate	G	L
Neutral	E	E		Creosote	L	U		Mecuric Cyanide	G	G	Sodium Ferricyanide	E	E
Ammonium Sulfate	E	E		Dextrin	E	E		Mecurous Nitrate	G	G	Sodium Ferrocyanide	E	E
Ammonium Sulfide	E	E		Dextrose	E	E		Mercury	E	E	Sodium Fluoride	E	E
Ammonium Thiocyanate	E	E		Diglycolic Acid	E	E		Methyl Ethyl Ketone	E	G	Sodium Hydroxide	E	E
Amyl Alcohol	L	U		Disodium Phosphate	E	E		Methyl Sulfate	E	E	Sodium Hypochlorite	E	E
Anthraquinone	E	--		Ethyl Alcohol	E	E		Methylene Chloride	E	G	Sodium Nitrate	E	E
Anthraquinonesulfonic	E	--		Ethylene Glycol	E	E		Mineral Oils	E	G	Sodium Nitrite	E	E
Acid	E	--		Fatty Acids	E	E		Napthalene	E	E	Sodium Sulfate	E	E
Antimony Trichloride	E	E		Ferric Chloride	E	E		Nickel Chloride	E	E	Sodium Sulfide	E	E
Aqua Regia	L	U		Ferric Nitrate	E	E		Nickel Nitrate	E	E	Sodium Sulfite	E	E
Arsenic Acid 80%	E	G		Ferric Sulfate	E	G		Nitric Acid Anhydrous	G	L	Sodium Sulfite (hep)	E	E
Arsulfuric Acid	L	U		Ferrous Chloride	E	E		Nitric Acid 20%	G	L	Stannic Chloride	E	E
Barium Carbonate	E	E		Ferrous Sulfate	E	E		Nitric Acid 40%	G	U	Stannous Chloride	E	G
Barium Chloride	E	E		Flourine Gas - Wet	E	E		Nitric Acid 60%	L	U	Sulfamic Acid	G	G
Barium Hydroxide	E	E		Flourine Gas - Dry	E	E		Nitrobenzene	E	E	Sulfur	G	G
Barium Sulfate	E	E		Fluoroboric Acid	E	E		Nitrous Oxide	E	G	Sulfur Dioxide-Gas Dry	E	E
Barium Sulfide	E	G		Fluorosilicic Acid	E	E		Oils - Petroleum	(See Type)		Sulfur Trioxide	E	E
Beet-Sugar Liquor	E	E		Formaldehyde	G	L		Oleic Acid	E	E	Sulfuric Acid 0-10%	E	G
Benzene Sulfuric Acid 1%	E	E		Formic Acid	E	U		Oxalic Acid	E	G	10-75%	E	G
Benzoic Acid	E	E		Fructose	E	E		Palmitic Acid 10%	E	E	75-90%	L	L
Bismuth Carbonate	E	E		Galic Acid	E	E		Perchloric Acid 10%	G	L	Sulfurous Acid	E	E
Black Liquor	E	E		Gas - Coke Oven	G	G		Phenylhydrazine Hydrochloride	L	U	Tannic Acid	E	E
(Paper Industry)	E	E		Gas - Natural (Dry)	E	E		Phosgene Gas	E	G	Tanning Liquors	E	E
Bleach - 12.5%	G	L		Gas - Natural (Wet)	E	E		Phosphoric Acid 0-25%	E	G	Tartaric Acid	E	E
Active Cl	G	L		Gasoline - Sour	E	E		25-50%	E	G	Titanium Tetrachloride	G	U
Borax	E	G		Gasoline - Refined	E	--		50-85%	E	G	Triethanolamine	G	U
Boric Acid	E	E		Glucose	E	E		Photographic Chemicals	E	E	Trimethyl Propane	L	U
Brine	E	E		Glycerine(Glycerol)	E	E		Pining Solutions	G	G	Trisodium Phosphate	E	E
Breeder Pellets -	E	E		Glycol	E	E		Potassium Bicarbonate	E	E	Turpentine	L	U
Deriv. Fish	E	E		Glycolic Acid	E	E		Potassium Biochromate	E	E	Urea	E	E
Bromic Acid	E	L		Green Liquor (Paper Ind)	E	E		Potassium Borate	E	E	Vinegar	E	L
Bromine Water	L	U		Heptane	L	L		Potassium Bromate	E	E	Whiskey	E	E
Butane	E	E		Hexanol, Tertiary	L	U		Potassium Bromide	E	G	White Liquor (Paper Ind)	E	E
Butadiene	L	U		Hydrobromic Acid 20%	E	E		Potassium Carbonate	G	G	Wines	E	E
Butyl Alcohol	L	U		Hydrochloric Acid 0-25%	E	G		Potassium Chloride	E	E	Zinc Chloride	E	E
Butyl Phenol	L	U		25-40%	E	G		Potassium Chromate	E	E	Zinc Chromate	E	E
Butylene	E	--		Hydrocyanic Acid	E	E		Potassium Cyanide	E	E	Zinc Cyanide	E	E
Butyric Acid	L	U		Hydrogen Cyanide	E	U		Potassium Dichromate	E	E	Zinc Nitrate	E	E
Calcium Bisulfide	E	E		Hydrofluoric Acid 10%	G	U		Potassium Ferrocyanide	E	E	Zinc Sulfate	E	E
Calcium Carbonate	E	E		Hydrofluoroacetic Acid	E	E							
Calcium Chloride	E	E											
Calcium Chloride	E	E											
Calcium Hydroxide	E	E											
Calcium Hypochlorite	E	E											
Calcium Nitrate	E	E											
Calcium Sulfate	E	E											
Carbonic Acid	E	E											

KEY: E - Excellent  
G - Good  
L - Limited  
U - Unsatisfactory