

CHEMICAL RESISTANCE



Sta-Rite® by Park International's pressure vessel design includes an inner liner that is reinforced by an exterior epoxy/glass roving matrix. The liners used provide a reliable barrier to chemical corrosion and each liner material used will have slightly different properties based on the ratings below. All liner materials meet FDA standards for potable water. Use these ratings as a guide only. Actual performance will depend on concentrations, temperature and solution chemistry.

	Park Residential Tanks ABS	Other Tank Brands Polyethylene (HDPE)	Park Commercial Tanks Vinylester
Acetic Acid – Glacial	Poor	Excellent	Poor
Acetic Acid – 50%	Poor	Excellent	Very Good
Acetone	Poor	Poor	Fair
Aluminum Chloride	Excellent	Excellent	Excellent
Ammonia 20C	Very Good	Fair	Very Good
Ammonium Hydroxide 30%	Very Good	Excellent	Excellent
Arsenic 20C	Very Good	Fair	Excellent
Benzene 20C	Poor	Poor	Fair
Bleach 12% of Cl2	Very Good	Excellent	Very Good
Bromine Water	Poor	Fair	Poor
Butyric Acid	Poor	Poor	Excellent
Calcium Carbonate	Excellent	Fair	Excellent
Carbonic Acid	Excellent	Very Good	Excellent
Chlorine Water	Very Good	Fair	Excellent
Chlorine – Wet	Fair	Fair	Very Good
Chromic Acid 20%	Very Good	Excellent	Fair
Copper Sulfate	Excellent	Excellent	Excellent
<i>Dow Corning 200</i> ® Silicone	Excellent	Fair	Excellent
Ethylene Chloride	Poor	Fair	Poor
Ferric Chloride	Excellent	Poor	Excellent
Fluorine	Excellent	Poor	Fair
Iodine (Crystals)	Poor	Very Good	Very Good
Isopropyl Alcohol 50%	Very Good	Excellent	Excellent
Hydrochloric Acid 25%	Excellent	Excellent	Excellent
Hydrofluoric Acid 20%	Fair	Excellent	Poor
Hydrogen Peroxide	Excellent	Excellent	Very Good
Lime Chloride	Very Good	Fair	Very Good
Magnesium Salts	Very Good	Excellent	Excellent
Methyl Chloride	Poor	Fair	Poor
Nitric Acid 25%	Fair	Very Good	Fair
Ozone (5 ppm)	Very Good	Excellent	Excellent
Petroleum Jelly	Poor	Fair	Fair
Photographic Solutions	Very Good	Excellent	Very Good
Plating Solutions	Very Good	Fair	Fair
Potassium Carbonate	Excellent	Very Good	Fair
Potassium Chloride 25%	Excellent	Excellent	Excellent
Potassium Sulfate	Very Good	Very Good	Excellent
Sodium Bicarbonate	Excellent	Excellent	Excellent
Sodium Carbonate	Very Good	Excellent	Very Good
Sodium Chloride	Excellent	Excellent	Excellent
Sodium Fluoride	Excellent	Fair	Excellent
Sodium Hydroxide	Excellent	Fair	Excellent
Sodium Sulfate	Excellent	Fair	Excellent
Sodium Sulfide	Excellent	Very Good	Very Good
Sodium Sulfite	Excellent	Very Good	Excellent
Sulfuric Acid 10%	Very Good	Excellent	Excellent
Sulfuric Acid 20%	Very Good	Excellent	Very Good
Sulfuric Acid 50%	Very Good	Excellent	Very Good
Sulfuric Acid 97%	Fair	Very Good	Poor
Toluene	Poor	Poor	Poor
Trichlorobenzene	Fair	Fair	Poor
Zinc Chloride	Excellent	Excellent	Excellent
Zinc Sulfate	Excellent	Excellent	Excellent