PRO-PLUS™ Trench Drain Chemical Resistance Chart

	Temperature in F	PRO-PLUS™ GRP
Acetic acid 10%	RT	–
	140	–
Acetone	RT	–
Ammonia 25%, aqueous solution	RT	–
Ammonia 5%, aqueous solution	RT	–
Ammonium salts, aqueous solution	RT	+
Apple Juice, aqueous solution	RT	+
Barium salts, aqueous solution	RT	+
Beer	RT	+
Benzene	RT	+
Blood	RT	+
Boric acid	RT	+
Brake fluid	RT	+
Butanol	RT	+
Butyl acetate	104	–
Butyric acid	RT	+
	104	–
Calcium chloride, aqueous solution	RT	–
Calcium hydroxide (lime solution)	RT	–
Calcium salts, aqueous solution	RT	+
Carbon dioxide, aqueous solution	RT	+
Carbon tetrachloride	RT	–
Chlorine water	RT	–
Chlorine, gaseouse, wet	RT	–
Chromic acid 10%	RT	+
Citric acid aqueous solution	RT	+
	140	–
Copper salts, aqueous solution	RT	+
Crude oil	RT	+
Crude petroleum	RT	+
Cyclohexane	RT	+
Developer	RT	–
Diesel oil	RT	+
Distilled water	RT	+
	140	–
Electrolyte (dilute sulphuric acid)	RT	+
Epoxide resin	RT	+
Ethanol	RT	–
Fatty acids (greater than C 12)	104	+
Fish oil	RT	+
Fixer	RT	+
Formaldehyde, aqueous solution	RT	+
Formic acid 10%	RT	+
Fruit juices	RT	+
Gasoline, super and normal	RT	+
Glycerine	RT	+
Glycol (Ethylene glycol)	RT	+
Heating oil	RT	+
Humic acid	RT	+
Hydrochloric acid 10%	104	–
Hydrofluosilicic acid	68	–

	Temperature in F	PRO-PLUS™ GRP
Lactic acid, aqueous solution	RT	+
Hydrogen bromide	RT	–
Iron salts, aqueous solution	RT	+
Isopropyl alcohol (2-propanol)	RT	+
Jet fuel	RT	+
Linseed oil	RT	+
Lubricants	RT	+
Machine oil	RT	+
Magnesium salts, aquesous solution	RT	+
Maleic acid, aqueous solution	RT	+
Malic acid	86	+
Manganese salts, aqueous solution	RT	+
Margarine	RT	+
Milk	RT	+
Mineral oils	RT	+
Mineral water	RT	+
Nitric acid 10%	104	–
Octane	RT	+
	140	–
Oleic acid	RT	+
Oxalic acid, aqueous solution	RT	+
	140	–
Paraffin	RT	+
Perchloric acid	RT	–
Petroleum	RT	+
Petroleum ether	RT	+
Phosphoric acid 50%	104	–
Phosphoric acid 10%	RT	+
	140	–
Potash solution 2,5%	RT	–
Potassium permanganate 6%	140	–
Potassium salts, aqueous solution	RT	+
Ricinoleic acid	RT	+
Salicylic acid, aqueous solution	RT	+
Sea water	RT	+
	140	–
Silicone oil	RT	+
Sodium hydroxide 40%	104	–
Sodium salts, aqueous solution	RT	+
Soil, acidic and alkaline	RT	+
Solvents and cleaning solutions	RT	+
Succinic acid, aqueous solution	RT	+
Sugar	RT	+
Sulphuric acid 30%	RT	+
Tetrachlorethylene	RT	+
Thioglycollic	RT	–
Tin salts, aqueous solution	RT	+
Trichloroethylene	RT	–
Urea aqueous solution	RT	+
Washing agents, commercial, 5%	RT	+
Wine	RT	+
Zinc slats, aqueous solution	RT	+

\+ = Resistant
\- = Not Resistant
RT = Room Temperature 78°F

GRP = Glass Fiber Reinforced Polyester

For any deviations with respect to temperature, concentrations and purity of the listed media, technical advice is to be sought from your Josam representative or Josam directory.

GRP is resistant when subjected over short periods to inorganic acids and subsequently rinsed with water