

Technical Information

Table of Resistance

Medium	Temperature in °C	MEADRAIN Polymer Concrete	MEAGARD Polymer Concrete	MEARIN GRP
Acetic Acid 10%	RT	+	+	-
	60	-	-	-
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	RT	+	+	+
Butyl Acetate	40	-	-	-
Butyric Acid	RT	+	+	+
	40	-	-	-
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	+	+	+
	60	-	-	-
Copper Salts, Aqueous Solution	RT	+	+	+
Crude Oil	RT	+	+	+
Crude Petroleum	RT	+	+	+
Cyclohexane	RT	+	+	+
Developer	RT	-	-	-
Diesel Oil	RT	+	+	+
Distilled Water	RT	+	+	+
	60	-	-	-
Electrolyte (Dilute Sulphuric Acid)	RT	+	+	+
Epoxide Resin	RT	+	+	+
Ethanol	RT	-	-	-
Ethyl Benzene	RT	+	+	+
Fatty Acids (Greater Than C 12)	40	+	+	+
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%	40	-	-	-
Hydrofluosilicic Acid	20	-	-	-

+ = Resistant
- = Not Resistant
RT = Room Temperature (C 25°)

For any deviations with respect to temperature, concentrations and purity of the listed media, technical advice is to be sought from the Hydro International Office

Medium	Temperature in °C	MEADRAIN Polymer Concrete	MEAGARD Polymer Concrete	MEARIN 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, Aqueous Solution	RT	+	+	+
Maleic Acid, Aqueous Solution	RT	+	+	+
Malic Acid	30	+	+	+
Manganese Salts, Aqueous Solution	RT	+	+	+
Margarine	RT	+	+	+
Milk	RT	+	+	+
Mineral Oils	RT	+	+	+
Mineral Water	RT	+	+	+
Nitric Acid 10%	40	-	-	-
Octane	RT	+	+	+
	60	-	-	-
Oleic Acid	RT	+	+	+
Oxalic Acid, Aqueous Solution	RT	+	+	+
	60	-	-	-
Paraffin	RT	+	+	-
Perchloric Acid	RT	-	-	-
Petroleum	RT	+	+	+
Petroleum Ether	RT	+	+	+
Phosphoric Acid 50%	40	-	-	-
Phosphoric Acid 10%	RT	+	+	+
	60	-	-	-
Potash Solution 2,5%	RT	-	-	-
Potassium Permanganate 6%	60	-	-	-
Potassium Salts, Aqueous Solution	RT	+	+	+
Ricinoleic Acid	RT	+	+	+
Salicylic Acid, Aqueous Solution	RT	+	+	+
Sea Water	RT	+	+	+
	60	-	-	-
Silicone Oil	RT	+	+	+
Sodium Hydroxide 40%	40	-	-	-
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	+	+	+
Thioglycolic	RT	-	-	-
Tin Salts, Aqueous Solution Rt	RT	+	+	+
Trichloroethylene	RT	-	-	-
Urea Aqueous Solution Rt	RT	+	+	+
Washing Agents, Commercial, 5%	RT	+	+	+
Wine	RT	+	+	+
Zinc Slats, Aqueous Solution	RT	+	+	+

Polymer Concrete = Hydro polymer concrete with polyester resin as a binding agent
GRP = Glass-fibre reinforced plastic

Hydro polymer concrete with polyester resin as a binding agent and GRP are resistant when subjected over short periods to inorganic acids and subsequently rinsed with water.