MEA-JOSAM CHEMICAL RESISTANCE CHART

Medium	Temperature in F	MEADRAIN Polymer concrete	MEAGARD Polymer concrete	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	-	-	-
Ethyl benzene	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	-	-	-

Medium	Temperature in F	MEADRAIN Polymer concrete	MEAGARD Polymer concrete	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, aqueous 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 (~ 25°) 78 F

For any deviations with respect to temperature, concentrations and purity of the listed media, technical advice is to be sought from your MEA-JOSAM OFFICE

Polymer concrete = MEA polymer concrete with polyester resin as a binding agent
GRP= Glass Fiber Reinforced Polyester

MEA 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