

CHEMICAL RESISTANCE GUIDE FOR STANDARD (POLYESTER) FRP PANELS

Data shown is provided ONLY as a preliminary guide in determining suitability of Standard FRP panels. Based on information in Chemical Engineering Magazine these charts are to assist in narrowing your field of choice. They should not be used for anything more. Effects of contaminants, aeration, galvanic coupling, erosion, etc., must be taken into account. Field tests are best for determining suitability. Source: Chemical Engineers' Handbook by Perry and Chilton, 5th ed., Table 23-3.

Environment	Volume %	Temp. °F
Acids		
Acetic Acid	10	200
Chromic Acid	5	180
Fatty Acids	100	250
Formic Acid	25	75
Hydrochloric Acid	37	250
Nitric Acid	10	140
Nitric Acid	25	75
Oxalic Acid	100	150
Phosphoric Acid	80	260
Sulfuric Acid	70	150
Sulfurous Acid	10	75
Organics		
Ethylene Glycol	100	250
Glycerine	100	250
Hydrogen Peroxide	10	125
Hydrogen Peroxide	35	75
Phenol	15	75
Solvents		
Benzene	100	75
Carbon Tetrachloride	100	125
Ethanol	100	210
Methanol	100	130

Environment	Volume %	Temp. °F
Salts		
Aluminum Chloride (in ethanol)	20	150
Aluminum Potassium Sulfate	100	250
Ammonium Carbonate	100	75
Ammonium Chloride	40	160
Calcium Chloride	50	250
Calcium Chloride	100	250
Copper Sulfate	100	250
Ferric Chloride	100	250
Ferrous Chloride	100	250
Ferrous Sulfate	100	250
Magnesium Chloride	100	250
Magnesium Sulfate	100	250
Nickel Nitrate	100	250
Nickel Sulfate	100	250
Potassium Permanganate	22	210
Potassium Permanganate	100	80
Potassium Sulfate	100	250
Sodium Carbonate	25	75
Sodium Chloride	100	250
Sodium Nitrate	100	250
Zinc Chloride	100	250
Zinc Sulfate	100	250