



PermaStruct

◆ No.1 for FRP ◆

PermaStruct FRP Corrosion Guide

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1300 366 938

Chemical	Isophthalic Polyester	Vinylester	Chemical	Isophthalic Polyester	Vinylester	Chemical	Isophthalic Polyester	Vinylester	Chemical	Isophthalic Polyester	Vinylester	Chemical	Isophthalic Polyester	Vinylester	Chemical	Isophthalic Polyester	Vinylester
	Max Operating Temp.°C			Max Operating Temp.°C			Max Operating Temp.°C			Max Operating Temp.°C			Max Operating Temp.°C			Max Operating Temp.°C	
Acetaldehyde	-	-	Barium Hydroxide	-	50	Dibutyl Ether	-	50	Hydrogen Bromide, Wet Gas	-	70	Phenol, Sulphonic Acid	-	-	Sodium Mono Phosphate	60	95
Acetic Acid - 25%	25	95	Benzene	-	-	Dichloro Benzene	-	-	Hydrogen Chloride, Dry Gas	-	Disc with FFCL	Phosphoric Acid - 50%	25	90	Sodium nitrate	25	95
Acetic Acid - 75%	-	65	Benzene Sulphonic Acid - 50%	25	60	Dichloro Ethylene	-	-	Hydrogen Chloride, Wet Gas	-	80	Phosphorous Trichloride	-	-	Sodium Sulphate	25	95
Acetic Acid - 100%	-	-	Benzoic Acid	25	95	Diesel Fuel	40	80	Hydrogen Peroxide - 30%	-	50	Polyvinyl Alcohol	30	40	Sodium Sulphide	25	95
Acetic Anhydride	-	-	Benzyl Alcohol	-	25	Diethylene Glycol	60	80	Hydrogen Sulphide, Aqueous	25	60	Potassium Bicarbonate	25	60	Sodium Sulphite	25	95
Acetone - 10%	-	-	Benzyl Chloride	-	-	Dipropylene Glycol	60	80	Isopropylamine	-	40	Potassium carbonate - 10%	25	60	Sodium Thiocyanate	-	70
Acrylonitrile	-	-	Butyl Acetate	-	-	Esters - Fatty Acids	70	70	Kerosene	25	80	Potassium Chloride	40	90	Sodium Thiosulphate	30	70
Alcohol Butyl	25	50	Butyric Acid	25	95	Ethyl Acetate	-	-	Lactic Acid	25	95	Potassium Hydroxide 10%	-	65	Soya Oil	60	95
Alcohol Ethyl - 10%	-	65	Butylene Glycol	25	70	Ethyl Benzene	-	25	Lauryl chloride	-	70	Potassium Permanganate	25	70	Stannic Chloride	50	95
Alcohol Ethyl - 100%	-	30	Cadium Chloride	25	80	Ethyl Ether	-	-	Lead Acetate	60	90	Potassium Sulphate	25	70	Stearic Acid	25	95
Alcohol Isopropyl -10%	-	65	Calcium Chlorate	50	80	Ethylene Glycol	25	95	Linseed Oil	50	90	Propionic Acid - 50%	-	50	Styrene	-	-
Alcohol Isopropyl -100%	-	25	Calcium Chloride	50	80	Ethylene Dichloride	-	-	Magnesium Chloride	50	90	Prpionic Acid - 100%	-	-	Sugar Liquor	25	70
Alcohol Methyl - 10%	-	65	Calcium Hydroxide	-	50	Fatty Acids	25	95	Magnesium Hydroxide	-	60	Propylene Glycol	50	90	Sulphur Dioxide, Dry or Wet	-	70
Alcohol Methyl - 100%	-	-	Calcium Hypochlorite	25	50	Ferric Chloride	50	95	Magnesium Sulphate	50	90	Pyridine	-	-	Sulphuric Acid - 30%	25	70
Aluminium Chloride	60	95	Calcium Nitrate	40	95	Ferric Nitrate	50	95	Maleic Acid	70	90	Silver Nitrate	25	70	Sulphuric Acid - 50%	-	50
Aluminium Hydroxide - 5%	25	50	Carbon Dioxide	95	95	Ferric Sulphate	50	95	Methylene Chloride	-	-	Soaps	25	60	Sulphuric Acid - 70%	-	40
Aluminium Nitrate	30	70	Carbon Disulphide	-	-	Ferrous Chloride	50	95	Methyl Ethyl Ketone	-	-	Sodium Acetate	50	70	Tannic Acid	30	65
Aluminium Poyassium Sulphate	40	70	Carbon Monoxide	95	95	Ferrous Nitrate	50	95	Methyl Isobutyl Ketone	-	-	Sodium Bicarbonate	40	80	Toluene	-	25
Ammonia AQ - 10%	-	35	Carbon Tetrachloride	-	40	Ferrous Sulphate	50	95	Methyl Styrene	-	-	Sodium Bifluoride	40	50	Transformer Oils - Mineral	60	90
Ammonia Gas	-	35	Caster Oil	25	70	Fertiliser - Urea	-	50	Mineral Oils	70	90	Sodium Bisulphate	60	95	Transformer Oils - Chloro Phenyl Types	-	-
Ammonium Bicarbonate - 10%	25	50	Chlorine / Dry Gas	-	70	Fertiliser - Ammonium Nitrate	-	-	Motor Oils	70	90	Sodium Bisulphite	60	95	Trichloroacetic Acid - 50%	25	90
Ammonium Bisulphate	-	50	Chloride / Wet Gas	-	70	Formic Acid - 10%	25	70	Naptha	25	90	Sodium Bromide	60	95	Trichloroethylene	-	-
Ammonium Carbonate	-	50	Chloride, Liquid	-	-	Fuel Oil	25	70	Nickel Chloride	50	90	Sodium Carbonate - 10%	-	70	Trisodium Phosphate	25	70
Ammonium Citrate	35	50	Chloride, Water	-	70	Gasoline	25	50	Nickel Nitrate	50	90	Sodium Chlorate - 10%	25	70	Turpentine	-	40
Ammonium Floride	-	50	Chlorobenzene	-	-	Glucose	70	70	Nickel Sulphate	50	90	Sodium Cyanide	40	70	Urea - 50%	-	40
Ammonium Hydroxide - 5%	25	50	Chromic Acid - 20%	-	50	Glycerene	50	70	Nitric Acid - 5%	35	70	Sodium Cyanide	25	60	Vegetable Oils	40	70
Ammonium Hydroxide - 10%	25	50	Chromic Acid - 30%	-	-	Gycolic Acid	25	80	Nitric Acid - 20%	-	50	Sodium Dichromate	25	70	Vinyl Acetate	-	-
Ammonium Hydroxide - 20%	-	50	Chromium Sulphate	70	70	Heptane	25	70	Nitric Acid Fumes	-	60	Sodium Ferricyanide	40	70	Water - Demineralised	50	80
Ammonium Nitrate - 20%	35	70	Citric Acid	720	70	Hexane	25	70	Oil, Sour Crude	50	90	Sodium Flourosilicate	-	40	Xylene	-	-
Ammonium Persulphate	-	50	Copper Sulphate	70	70	Hydraulic Fluid	25	70	Oil, Sweet Crude	50	90	Sodium Hydroxide - 5%	-	70	Zinc Nitrate	60	90
Ammonium Phosphate	-	50	Corn Oil	25	80	Hydrochloric Acid - 10%	25	80	Oleum	-	-	Sodium Hydroxide - 25%	-	65	Zinc Sulphate	50	90
Ammonium Sulphate	70	95	Crude Oil	25	70	Hydrochloric Acid - 37%	-	65	Olive Oil	60	90	Sodium Hydroxide - 50%	-	60			
Barium Acetate	-	80	Cyclohexade	25	50	Hydrofluoric Acid - 10%	-	65	Oxalic Acid	60	90	Sodium Hydrochloride - 10%	25	55			
Barium Chloride	50	95	Dibroma Phenol	-	-	Hydrofluoric Acid - 20%	-	35	Phenol	-	-	Sodium Lauryl Sulphate	60	70			