CHEMICAL ENVIRONMENT	SP (°F)	SV (°F)	CHEMICAL ENVIRONMENT	SP (°F)	SV (°F)	CHEMICAL ENVIRONMENT	SP (°F)	SV (°F)	CHEMICAL ENVIRONMENT	SP (°F)	SV (°F)
Acetic Acid (0 - 50%)	74	160	Copper Nitrate	150	74	Lauroyl Chloride	*NR	160	Sodium Bromate	*74	140
Alcohol - Butyl	NR	74	Copper Sulfate	150	160	Lauric Acid	*NR	160	Sodium Bromide	150	160
Alcohol - Ethyl (10%)	NR	150	Copper Fluoride	NR	160	Lead Acetate	**	160	Sodium Chlorate	74	160
Alcohol - Isopropyl (10%)	--	150	Copper Nitrate	150	74	Lead Chloride	*74	160	Sodium Chloride	74	160
Alcohol - Isopropyl (100%)	NR	74	Copper Sulfate	150	160	Lead Nitrate	*74	160	Sodium Chlorite (25%)	74	160
Alcohol - Methyl (10%)	NR	150	Corn Oil	74	160	Levulinic Acid	*74	160	Sodium Chromate	*74	160
Alcohol - Methyl Isobutyl	NR	150	Corn Starch - Slurry	74	160	Linseed Oil	*150	160	Sodium Cyanide	74	160
Alcohol - Secondary Butyl	NR	150	Corn Sugar	74	160	Lithium Bromide	*150	160	Sodium Dichromate	150	160
Aluminum	150	160	Cottonseed Oil	74	160	Lithium Sulfate	*150	160	Sodium Diphosphate	150	160
Aluminum Chloride	150	160	Crude Oil - Sour	74	160	Magnesium Bisulfite	*74	160	Sodium Ferricyanide	150	160
Aluminum Hydroxide (5%)	NR	120	Crude Oil - Sweet	74	160	Magnesium Chloride	+150		Sodium Fluoride	*NR	120
Aluminum Nitrate	*150	160	Cyclohexane	74	120	Magnesium Hydroxide	*NR	140	Sodium Fluorosilicate	*NR	120
Aluminum Potassium Sulfate	150	160	Detergents - Sulfonated	74	160	Magnesium Nitrate	*74	160	Sodium Hexametaphosphates	*NR	100
Ammonia - Aqueous (0 - 10%)	--	100	Diammonium Phosphate	NR	160	Magnesium Sulfate	*150	160	Sodium Hydroxide (0 - 5%)	NR	150
Ammonia - Gas	--	100	Dibutyl Ether	NR	120	Maleic Acid	*150	160	Sodium Hydroxide (5 - 50%)	NR	150
Ammonium Bicarbonate	74	120	Diesel Fuel	74	160	Mercuric Chloride	**	160	Sodium Hydrosulfide	74	160
Ammonium - Bisulfite	--	120	Methylene Glycol	74	160	Mercurous Chloride	**	160	Sodium Hypochlorite (5%)	--	--
Ammonium Carbonate (10%)	--	120	Dimethyl Phthalate	NR	160	Methanol (See Alcohol)	*74	160	Sodium Lauryl Sulfate	150	160
Ammonium Citrate	*74	120	Dioctyl Phthalate	NR	160	Mineral Oils	150	160	Sodium Monophosphate	150	160
Ammonium Hydroxide (5%)	74	120	Dipropylene Glycol	74	160	Molybdenum Disulfide	*NR	160	Sodium Nitrate	150	160
Ammonium Hydroxide (10%)	NR	120	Dodecyl Alcohol	*NR	160	Motor Oil	150	160	Sodium Silicate	74	160
Ammonium Hydroxide (20%)	NR	120	Esters - Fatty Acids	*150	160	Myristic Acid	**	160	Sodium Sulfate	150	160
Ammonium Nitrate (50%)	150	160	Ethylene Glycol	150	160	Naphtha	150	160	Sodium Sulfide	74	160
Ammonium Persulfate (20%)	NR	120	Fatty Acids	150	160	Naphthalene	74	160	Sodium Sulfite	74	160
Ammonium Phosphate	NR	120	Ferric Chloride	150	160	Nickel Chloride	74	160	Sodium Tetraborate	150	160
Ammonium Sulfate	150	160	Ferric Nitrate	150	160	Nickel Nitrate	150	160	Sodium Thiocyanate	*NR	160
Arsenious Acid	*74	160	Ferric Sulfate	150	160	Nickel Sulfate	150	160	Sodium Thiosulfate	74	160
Barium Acetate	NR	160	Ferrous Chloride	150	160	Nitric Acid (0 - 5%)	150	160	Sodium Tripolyphosphate	74	160
Barium Carbonate	NR	160	Ferrous Nitrate	150	160	Nitric Acid (20%)	*NR	120	Sodium Xylene Sulfonate	74	160
Barium Chloride	74	160	Ferrous Sulfate	150	160	Nitric Acid Fumes	*NR	NR	Sodium Solutions	74	160
Barium Hydroxide	--	120	Fertilizer - 8-8-8	74	160	Octanoic Acid	74	160	Sodium Crude Oil	150	160
Barium Sulfate	150	160	Fertilizer - Urea Ammonium Nitrate	*NR	120	Oil - Sour Crude	150	160	Soya Oil	150	160
Barium Sulfide	NR	160	Flue Gas	*NR	160	Oil - Sweet Crude	150	160	Stannic Chloride	150	160
Beer	74	120	Fluosilicic Acid (0 - 20%)	NR	160	Oleic Acid	150	160	Stannous Chloride	150	160
Benzene (5%) in Kerosene	*74	160	Formaldehyde	74	160	Olive Oil	150	160	Stearic Acid	150	160
Benzene Sulfonic Acid (30%)	150	160	Formic Acid (10%)	74	160	Oxalic Acid	150	160	Sugar - Beet & Cane Liquor	74	160
Benzoic Acid	74	160	Fuel Oil	74	160	Phosphoric Acid	150	160	Sugar - Sucrose	150	160
O-Benzoylbenzoic Acid	*74	160	Gas - Natural	74	160	Phosphoric Acid Fumes	150	160	Sulfamic Acid	74	160
Butylene Glycol	150	160	Gasoline - Auto	74	160	Phosphorous Pentoxide	150	160	Sulfanilic Acid	*74	160
Butyric Acid (0 - 50%)	74	160	Gasoline - Aviation	74	160	Phthalic Acid	150	160	Sulfated Detergents	74	160
Cadmium Chloride	74	160	Gasoline - Ethyl	74	160	Pickling Acids - Sulfuric & Hydrochloric	150	160	Sulfur Dioxide - Dry or Wet	*NR	160
Calcium Bisulfate	150	160	Gasoline - Sour	74	160	Picric Acid - Alcoholic	150	160	Sulfur Trioxide - Air	*NR	160
Calcium Chlorate	150	160	Glyconic - Acid	74	160	Polyvinyl Acetate Latex	74	160	Sulfuric Acid (25%)	150	160
Calcium Chloride	150	160	Glucose	150	160	Polyvinyl Alcohol	74	100	Sulfuric Acid (30 - 50%)	NR	160
Calcium Hypochlorite	74	120	Glycerine	150	160	Polyvinyl Chloride Latex (35)	*NR	120	Sulfuric Acid (50 - 70%)	NR	120
Calcium Nitrate	150	160	Glycol - Propylene	150	160	Potassium Aluminum Sulfate	150	160	Sulfurous Acid (10%)	NR	100
Calcium Sulfate	150	160	Glycolic Acid (70%)	74	160	Potassium Bicarbonate	74	140	Superphosphoric Acid (76% P^2O^5)	74	160
Calcium Sulfite	150	160	Heptane	74	160	Potassium Bromide	*74	100	Tall Oil	74	150
Caprylic Acid	74	160	Hexane	74	160	Potassium Carbonate	--	--	Tannic Acid	74	120
Carbon Dioxide	150	160	Hexalene Glycol	150	160	Potassium Chloride	150	160	Tartaric Acid	150	160
Carbon Monoxide	150	160	Hydraulic Fluid	74	160	Potassium Dichromate	74	140	Trichloroacetic Acid (50%)	74	160
Carbon Tetrachloride	*NR	100	Hydrobromic Acid (0 - 25%)	74	160	Potassium Ferricyanide	*150	160	Tricresyl Phosphate	*NR	120
Carbonic Acid	150	160	Hydrochloric Acid (15%)	*NR	160	Potassium Hydroxide	--	--	Tridecylbenzene Sulfonate	*74	160
Carbon Methyl Cellulose	*NR	120	Hydrocyanic Acid	74	160	Potassium Nitrate	150	160	Trisodium Phosphate	74	160
Castor Oil	*150	160	Hydrofluosilicic Acid (10%)	NR	160	Potassium Permanganate	74	140	Turpentine	*NR	100
Chlorinated Waste	*NR	160	Hydrogen Bromide - Wet Gas	*NR	160	Potassium Persulfate	74	160	Urea	74	140
Chlorine Dioxide - Air	74	160	Hydrogen Chloride - Dry Gas	*NR	160	Potassium Sulfate	150	160	Vegetable Oils	150	160
Chlorine Dioxide - Wet Gas	*NR	160	Hydrogen Chloride - Wet Gas	NR	160	Propionic Acid (1 - 50%)	*NR	120	Vinegar	150	160
Chlorine - Dry Gas	74	160	Hydrogen Fluoride - Vapor	95	74	Pulp Paper Mill Effluent	74	160	Water - Deionized	150	160
Chlorine - Wet Gas	NR	160	Hydrogen Peroxide (35%)	**	120	Sebacic Acid	*NR	160	Water - Demineralized	150	160
Chlorine - Water	NR	160	Hydrogen Sulfide - Dry	*74	160	Selenious Acid	*NR	160	Water - Distilled	150	160
Chloroacetic Acid (0 - 50%)	NR	100	Hydrogen Sulfide - Aqueous	*74	160	Silver Nitrate	150	160	Water - Fresh	150	160
Chromic Acid (20%)	*NR	120	Hydrosulfite Bleach	*NR	120	Soaps	74	160	Water - Salt	150	160
Chromium Sulfate	150	160	Hypochlorous Acid (0 - 10%)	**	160	Sodium Acetate	74	160	Water - Sea	150	160
Citric Acid	150	160	Isopropyl Amine	*NR	100	Sodium Benzoate	74	160	White Liquor - Pulp Mill	74	160
Coconut Oil	74	160	Isopropyl Palmitate	150	160	Sodium Bicarbonate	*74	160	Xylene	NR	NR
Copper Chloride	150	160	Jet Fuel	*74	160	Sodium Bifluoride	74	120	Zinc Chlorate	150	160
Copper Cyanide	NR	160	Kerosene	*74	160	Sodium Bisulfate	150	160	Zinc Nitrate	150	160
Copper Fluoride	NR	160	Lactic Acid	**	160	Sodium Bisulfite	150	160	Zinc Sulfate	150	160

NR - Not Resistant; No Data ***Applies to SAFDECK®, SAFPLANK®, and SAFPLATE® ****Additional information may apply.** | Operating temperature data may not be maximum, but rather upper temperature at which a resin has been tested. This chart is intended for general use only and does not contain chemical information for Pultruded Floor Plate. The information in this chart is correct to the best of our knowledge. It is based on extensive experience with Fiberglass Grating in corrosive applications. Because actual use conditions differ and mixtures of corrosives will occur in service, the end user must test for use under actual conditions. Most of the information in this guide is based on laboratory tests and extrapolated values supplied by resin manufacturers. There are no warranties, expressed or implied, including warranties of merchantability or fitness for any particular purpose. In no event will **McNICHOLS** be liable for incidental or consequential damages, whether arising from alleged negligence, strict liability, or otherwise resulting from improper evaluation or use of Fiberglass products.