

# Chemical Compatibility Guide

## Railroad Track Pans, Composite Model, Standard Resin

This listing was prepared to provide guidance to the chemical compatibility of Railroad Track Pans, Composite Model.

The standard resin used in the fiberglass composite is susceptible to attack by some chemicals which may cause stress cracking, swelling, oxidation or may permeate the containment. These reactions may reduce the physical properties of the composite.

When considering a Composite Track Pan for use in secondary containment applications, it is important to note that most secondary containment products are designed to hold leaked chemicals for only hours, a day, at most a week. These secondary containment units would then be cleaned of any chemical. In these short-term applications, a greater variety of chemicals may be used with the standard fiberglass composite since the exposure time of the chemical to the resin is limited.

Chemical	Rating	Max Temp.	Chemical	Rating	Max Temp.	Chemical	Rating	Max Temp.	Chemical	Rating	Max Temp.
Acetic Acid, <10%	A	150°F (66°C)	Butyric Acid, <70%	A	120°F (49°C)	Glycolic Acid, 35-70%	A	120°F (49°C)	Potassium Chloride	A	200°F (93°C)
Acetic Acid, 10-25%	A	125°F (52°C)	Calcium Bisulfate	A	170°F (77°C)	Heptane	A	120°F (49°C)	Potassium Ferricyanide	A	200°F (93°C)
Acetic Acid, 25-50%	A	90°F (32°C)	Calcium Carbonate	A	160°F (71°C)	Hydrobromic Acid, <25%	A	160°F (71°C)	Potassium Ferrocyanide	A	200°F (93°C)
Acetone	NR		Calcium Chlorate	A	180°F (82°C)	Hydrogen Bromide	A	90°F (32°C)	Potassium Nitrate	A	200°F (93°C)
Acetonitrile	NR		Calcium Chloride	A	250°F (121°C)	Hydroxyacetic Acid, <35%	A	140°F (60°C)	Potassium Permanganate	A	150°F (66°C)
Acrylic Acid	NR		Calcium Hydroxide	A	160°F (71°C)	Hydroxyacetic Acid, 35-70%	A	120°F (49°C)	Potassium Persulfate	A	90°F (32°C)
Acrylonitrile	NR		Calcium Nitrate	A	180°F (82°C)	Hypochlorous Acid	A	90°F (32°C)	Potassium Sulfate	A	200°F (93°C)
Alum, Potassium	A	160°F (71°C)	Calcium Sulfate	A	200°F (93°C)	Iron Perchloride, 20%	A	140°F (60°C)	Propylene Glycol	A	170°F (77°C)
Aluminum Chloride	A	120°F (49°C)	Caprylic Acid	A	160°F (71°C)	Isopropyl Alcohol	A	90°F (32°C)	Silver Nitrate	A	200°F (93°C)
Aluminum Potassium Sulfate	A	160°F (71°C)	Carbon Disulfide	NR		Isopropyl Palmitate	A	180°F (82°C)	Sodium Acetate	A	150°F (66°C)
Aluminum Sulfate	A	240°F (116°C)	Carbonic Acid	A	160°F (71°C)	Kerosene	A	120°F (49°C)	Sodium Aluminate	NR	
Ammonia	A	90°F (32°C)	Chloroacetic Acid	NR		Lactic Acid	A	200°F (93°C)	Sodium Benzoate	A	175°F (79°C)
Ammonium Acetate	NR		Chlorobenzene	NR		Lead Acetate	A	180°F (82°C)	Sodium Bicarbonate	A	150°F (66°C)
Ammonium Bicarbonate, <15%	A	140°F (60°C)	Citric Acid	A	200°F (93°C)	Lime Slurry	A	180°F (82°C)	Sodium Bisulfate	A	200°F (93°C)
Ammonium Bicarbonate, >15%	A	140°F (60°C)	Copper Acetate	A	120°F (49°C)	Lithium Chloride	A	180°F (82°C)	Sodium Bisulfite	A	200°F (93°C)
Ammonium Carbonate	A	120°F (49°C)	Copper Chloride	A	250°F (121°C)	Magnesium Bicarbonate	A	150°F (66°C)	Sodium Borate	A	170°F (77°C)
Ammonium Chloride	A	190°F (88°C)	Copper Cyanide	A	90°F (32°C)	Magnesium Carbonate	A	160°F (71°C)	Sodium Bromide	A	220°F (104°C)
Ammonium Hydroxide, 1%	A	180°F (82°C)	Copper Nitrate	A	160°F (71°C)	Magnesium Chloride	A	220°F (104°C)	Sodium Carbonate	A	90°F (32°C)
Ammonium Hydroxide, 5%	A	90°F (32°C)	Copper Sulfate	A	250°F (121°C)	Magnesium Nitrate	A	160°F (71°C)	Sodium Chlorate	A	90°F (32°C)
Ammonium Hydroxide, 10%	A	90°F (32°C)	Cresols	NR		Magnesium Sulfate	A	200°F (93°C)	Sodium Chloride	A	200°F (93°C)
Ammonium Hydroxide, >20%	NR		Dibutyl Ether	A	80°F (27°C)	Mercuric Chloride	A	210°F (99°C)	Sodium Chlorite, 25%	A	175°F (79°C)
Ammonium Nitrate	A	190°F (88°C)	Diesel Fuel	A	100°F (38°C)	Mercurous Chloride	A	210°F (99°C)	Sodium Cyanide	A	100°F (38°C)
Ammonium Persulfate	A	150°F (66°C)	Diethylene Glycol	A	250°F (121°C)	Mercury	A	250°F (121°C)	Sodium Ferricyanide	A	220°F (104°C)
Ammonium Phosphate	NR		Diethyl Phthalate	NR		Methanol, 20%	A	90°F (32°C)	Sodium Ferrocyanide	A	220°F (104°C)
Ammonium Sulfate	A	120°F (49°C)	Diphenyl Ether	NR		Methyl Ethyl Ketone (MEK)	NR		Sodium Hydroxide, 5%	A	175°F (79°C)
Ammonium Thiocyanate	A	120°F (49°C)	Diphenyl Oxide	NR		Methylene Chloride	NR		Sodium Hypochlorite (Bleach)	NR	
Ammonium Thiosulfate	NR		Dipropylene Glycol	A	160°F (71°C)	Mineral Oils	A	180°F (82°C)	Sodium Monophosphate	A	150°F (66°C)
Amyl Acetate	A	90°F (32°C)	Dodecene	NR		Monochlorinebenzene	NR		Sodium Nitrate	A	220°F (104°C)
Amyl Alcohol	A	200°F (93°C)	Ethyl Acetate	NR		Monoethanolamine	NR		Sodium Sulfate	A	180°F (82°C)
Amyl Chloride	NR		Ethylbenzene	NR		Naptha	A	200°F (93°C)	Sodium Sulfide	A	90°F (32°C)
Anaerobic Sewage	A	80°F (27°C)	Ethyl Ether	NR		Napthalene	A	130°F (54°C)	Sodium Thiosulfate	A	90°F (32°C)
Aniline Sulfate	A	150°F (66°C)	Ethylene Dibromide	NR		Nickel Chloride	A	220°F (104°C)	Sodium Tripolyphosphate	A	125°F (52°C)
Anthracene Oil, 6%	A	90°F (32°C)	Ethylene Glycol	A	250°F (121°C)	Nickel Nitrate	A	220°F (104°C)	Styrene	NR	
Antimony Pentachloride	A	90°F (32°C)	Fatty Acids	A	250°F (121°C)	Nickel Sulfate	A	220°F (104°C)	Sulfuric Acid, <5%	A	210°F (99°C)
Antimony Trichloride	A	180°F (82°C)	Ferric Chloride	A	250°F (121°C)	Nitric Acid, 10%	A	175°F (79°C)	Sulfuric Acid, 5-50%	A	200°F (93°C)
Barium Acetate	NR		Ferric Nitrate	A	250°F (121°C)	Nitrous Acid, 10%	A	95°F (35°C)	Sulfuric Acid, >50%	NR	
Barium Carbonate	A	180°F (82°C)	Ferric Sulfate	A	200°F (93°C)	Oleic Acid	A	200°F (93°C)	Sulfurous Acid, 10%	A	90°F (32°C)
Barium Chloride	A	200°F (93°C)	Ferrous Chloride	A	210°F (99°C)	Oxalic Acid	A	220°F (104°C)	Tannic Acid	A	200°F (93°C)
Barium Sulfate	A	150°F (66°C)	Ferrous Nitrate	A	160°F (71°C)	Palmitic Acid	A	160°F (71°C)	Tartaric Acid	A	220°F (104°C)
Barium Sulfide	NR		Ferrous Sulfate	A	210°F (99°C)	Perchloroethylene	NR		Toluene	A	90°F (32°C)
Benzaldehyde	NR		Formaldehyde, <25%	A	200°F (93°C)	Phenol	NR		Triphenyl Phosphate	A	90°F (32°C)
Benzene	A	90°F (32°C)	Formaldehyde, 25-50%	A	90°F (32°C)	Phosphate Salts, 25%	A	90°F (32°C)	Turpentine	A	90°F (32°C)
Benzene Sulfonic Acid, 30%	A	180°F (82°C)	Formic Acid, <10%	A	200°F (93°C)	Phosphoric Acid, 85%	A	220°F (104°C)	Urea	A	90°F (32°C)
Benzene Sulfonic Acid, 100%	A	90°F (32°C)	Formic Acid, 10-50%	A	90°F (32°C)	Phosphorous Trichloride	NR		Xylene	A	90°F (32°C)
Benzoic Acid	A	250°F (121°C)	Formic Acid, >50%	NR		Phthalic Anhydride	A	150°F (66°C)	Zinc Chloride	A	200°F (93°C)
Benzotrichloride	NR		Furfural, 5%	A	90°F (32°C)	Picric Acid, 10%	A	100°F (38°C)	Zinc Hydrosulfite	A	160°F (71°C)
Benzyl Alcohol	NR		Furfural, >5%	NR		Polyvinyl Acetate Emulsion	A	100°F (38°C)	Zinc Nitrate	A	180°F (82°C)
Boric Acid	A	180°F (82°C)	Gluconic Acid, 50%	A	120°F (49°C)	Polyvinyl Alcohol	A	90°F (32°C)	Zinc Sulfate	A	200°F (93°C)
Butyl Acetate	A	90°F (32°C)	Glucose	A	180°F (82°C)	Potassium Aluminum Sulfate	A	160°F (71°C)	Zinc Sulfite	A	150°F (66°C)
Butyl Alcohol	A	190°F (88°C)	Glycerine	A	200°F (93°C)	Potassium Bicarbonate	A	90°F (32°C)			
Butylene Glycol	A	120°F (49°C)	Glycolic Acid, <35%	A	140°F (60°C)	Potassium Carbonate	A	90°F (32°C)			