CORROSION RESISTANCE GUIDE

The corrosion guidelines tests were performed by immersing epoxy coupons for 30 days in the chemical at the temperature shown. This is a very severe test. It has been shown that CHAMPION DUCT® can often be used for chemicals listed as "Not Recommended" (NR). Real cases often are limited to fumes, vapors and occasional splashes at the temperatures indicated.

This information is provided solely as a guide since it is impossible to anticipate all individual site conditions. For specific applications which are not covered in this guide, and may require screening tests to evaluate resin system suitability, consultation with Champion Fiberglass, Inc. is recommended.

Chemical	°F	°C	Chemical	°F	°C
Acetic Acid 15%	175	79	Lactic Acid	150	66
Acetic Acid 50%	NR	NR	Lime Slurry, Sat'd	100	38
Acetic Acid (Glacial)	NR	NR	Magnesium Salts	150	66
Acetone	NR	NR	Methyl Alcohol, 10%	100	38
Aluminum Chloride, 1%	200	93	Methyl Ethyl Ketone, 100%	NR	NR
Aluminum Hydroxide 30%	NR	NR	Mineral Oils	200	93
Aluminum Sulphate, 25%	150	66	Naphtha	100	38
Ammonium Chloride, Sat'd	150	66	Nickel Salts	100	38
Ammonium Hydroxide 20%	NR	NR	Nitric Acid	NR	NR
Ammonium Nitrate, Sat'd	150	66	Oleic Acid	150	66
Ammonium Sulfate, Sat'd	150	66	Oxalic Acid	150	66
Benzene, 10%	70	21	Perchloroethylene	70	21
Benzene Sulfonic Acid 30%	NR	NR	Phenol, 0-2%	75	24
Benzoic Acid, Sat'd	140	60	Phosphoric Acid, 10%	125	52
Calcium Salts	150	66	Potassium Carbonate, 0-15%	NR	NR
Carbon Dioxide	150	66	Potassium Permanganate, 5%	75	24
Carbon Tetrachloride	NR	NR	Potassium Sulfate, 10%	100	38
Chlorine, Wet Gas	NR	NR	Sodium Bicarbonate	125	52
Chlorine Water	150	66	Sodium Bisulfate	180	82
Chlorobenzene	NR	NR	Sodium Carbonate, 10%	75	24
Citric Acid, Sat'd	150	66	Sodium Chloride	200	93
Diesel Fuel	150	66	Sodium Dichromate	75	24
Ethyl Alcohol	75	24	Sodium Hydroxide, 1%	75	24
Ethylene Glycol	190	88	Sodium Hypochlorite	NR	NR
Ferrous Sulfate	150	66	Sodium Nitrate	100	38
Fuel Oil	150	66	Sodium Sulfate, 10%	100	38
Gasoline	140	60	Sodium Sulfide, 10%	75	24
Glycerine	200	93	Sodium Thiosulfate	NR	NR
Hydrochloric Acid 0-10%	125	52	Styrene	NR	NR
Hydrochloric Acid 10-36%	NR	NR	Sulfur Dioxide, Dry or Wet Gas	150	66
Hydrofluoric Acid	NR	NE	Sulfuric Acid, Vapor	100	38
Hydrogen Chloride, Dry or Wet Gas	100	38	Tannic Acid, 15%	150	66
Hydrogen Peroxide	NR	NR	Tartaric Acid	150	66
Hydrogen Sulfide, Dry or Wet Gas	125	52	Toluene	NR	NR
Kerosene	150	66	Water, City	170	77

NR = Not Recommended

Information in this table is based on data supplied by raw material suppliers and collected from many years of similar industrial applications.

Temperatures represent standard test conditions and are not minimums or maximums. CHAMPION DUCT products may be acceptable at other temperatures for some chemicals, but should be tested to determine specific suitability.

The recommendations or suggestions contained in this table are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory or field trial prior to use.

CHAMPION FIBERGLASS®
6400 Spring Stuebner Rd Spring, TX 77389 Main: 281.655.8900 Fax: 281.257.2523
» info@championfiberglass.com » championfiberglass.com