*Koroseal** "DROP-IN"
TANK & CONTAINMENT LININGS

HIGHLY RESISTANT TO STRONG CORROSIVES

*Koroseal** TANK LINING
RJF INTERNATIONAL CORPORATION
*TM Reg. U.S. Pat. Off.

DROP-IN LINERS

*Koroseal** - The Material of Choice!

Construction: Made of Koroseal® flexible materials as manufactured by RJF International Corporation (formerly a B.F. Goodrich product). **NOW no longer required to be bonded** in application. Can be used in steel, wood, concrete, fiberglass, polypropylene and polyethylene tanks and containments in a wide range of sizes and shapes.

Advantages: Highly resistant to strong corrosives, acids and caustics. Tough, will not rip. Abrasion-resisting. Easily repaired. High electrical resistance; eliminates stray currents. Waterproof, resists action of oil, air, sunlight, gas. Available in thickness' of 1/16" (60 mil), 3/32", 1/8" and 3/16".

Recommendations: KOROSEAL® "Drop-In" liners are recommended for applications where pH levels range from 1 through 14 and temperatures from –20°F to 200°F. Thermal shock is normally not a problem. PROTECTIVE COATINGS, INC. can offer material recommendations based on specific chemical service applications.

Effects of Temperature: Koroseal® "Drop-In" liners are a thermoplastic PVC (Poly Vinyl Chloride) material. Increased temperature usage in chemical services are the result of the Koroseal® "Drop-In" liner design and seam construction as offered by PROTECTIVE COATINGS, INC. Like most linings and coatings, elevated temperatures in chemical environments accelerate the aggressiveness of the chemicals on those materials and ultimately effect the overall service life. Therefore, we would expect longer life with KOROSEAL® "Drop-In" liners at lower than elevated temperatures.

® RJF International Corp.

Limitations: In general Koroseal® "Drop-In" liners are not recommended for organic chemicals containing chlorine or nitrogen groups, glacial acetic acid or acetic anhydride, ketones, lacquer solvents and thinners and petroleum fractions lighter than No. 1 fuel oil. Certain exceptions to these general statements do exist; specific applications should be referred to PROTECTIVE COATINGS, INC., FORT WAYNE, IN 46803. Phone: (800) 992-8299.

Installation

PROTECTIVE COATINGS, INC. is a licensed applicator and maintains a strong field lining service. Experienced workers apply linings wherever customer desires. OR, most applications can be performed by the customer themselves. PROTECTIVE COATINGS, INC. can recommend suitable linings and offer suggestions to improve equipment design.

Chemical resistance of Koroseal® "Drop-In" liners

Typical chemical environments like plating solutions are listed below and on the reverse side. Temperatures listed are for maximum service life of the KOROSEAL® "Drop-In" liners. For specific applications, contact PROTECTIVE COATINGS, INC., FORT WAYNE, IN 46803. Phone: (800) 992-8299.

Plating Solutions —

Max Concentration	°F
Brass Cadminium Copper Lead ……	150
Nickel Tin Zinc Gold Indium Rhodium ……	150
(Have customer approve before furnishing) Silver	
Chrome Plating……	140

EXCLUSIVE SUPPLIER

Proco Protective Coatings, Inc.

Protective Coatings, Inc.
1602 Birchwood Ave.
Fort Wayne, IN 46803

Phone: (800) 992-8299
Fax: (260) 422-7147
Web: www.proco-fwi.com
E-mail: Koroseal-Liners@proco-fwi.com

Solutions of Inorganic Acids

	Maximum Concentration	°F*
Arsenic	Any	150
Carbonic	Saturation at Atmospheric Pres.	90
Chlorine Water (Hypochlorous Acid)	"	90
Fluoboric	Any	150
Hydrofluoric	60%	90
Hydrofluoric	25%	150
Hydrogen sulfide water	Saturation at Atmospheric Pres.	90
Muriatic (Hydrochloric)	37%	150
Nitric	10%	150
Nitric	20%	120
Nitric	40%	90
Phosphoric	75%	150
Sulfuric	50%	150
Sulfuric	70%	90
Sulfurous (Sulfur dioxide water)	Saturation at Atmospheric Pres.	90
Chromic Acid	40%	140
+Hydrogen Peroxide	30%	90

Stainless Steel Pickling Solutions

Nitric	16%	165
Hydrofluoric	4%	

Solutions of Inorganic Salts and Alkalis

	Maximum Concentration	°F*
Aluminum Chloride	Up to Saturation	150
Aluminum Sulfate	"	150
Alums	"	150
Ammonium chloride	"	150
Ammonium hydroxide	"	90
Ammonium sulphate	"	150
Barium Sulfide	"	150
"Black Liquor" NaOH,Na_2S Na_2CO_3, Na_2SO_3	"	90
Calcium bisulfite	"	150
Calcium chloride	"	150
Calcium Hypochlorite	"	90
Caustic soda (Sodium hydroxide)	35%	90
Caustic Soda (Sodium hydroxide)	10%	150
Caustic Potash (Potassium hydroxide)	35%	90
Caustic Potash (Potassium hydroxide)	10%	150
Copper Chloride (cupric)	Up to Saturation	150
Copper Cyanide (in solution with alkali cyanides)	"	150
Copper sulfate (cupric)	"	150
Disodium phosphate	"	150
Ferric chloride	"	150
Ferrous sulfate (Copperas)	"	150
Nickel Acetate	"	150

Solutions of Inorganic Salts and Alkalis-Cont.

	Maximum Concentration	°F*
Potassium Cuprocyanide	Up to Saturation	150
Potassium Dichromate	"	150
Sodium or Potassium Antimonate	"	150
" " " Bisulfite	"	90
" " " Acid Sulfate	"	150
" " " Chloride	"	150
" " " Cyanide	"	150
" " " Hypochlorite	"	120
" " " Sulfide	"	150
" " " Thiosulfate	"	150
Tin chloride—either Stannous or Stannic. Any aqueous solution		150
Trisodium Phosphate	Up to Saturation	150
White liquor (NaOH,Na_2S, Na_2CO_3)		90
Zinc Sulfate	Up to Saturation	150

Organic materials

	Maximum Concentration	°F*
Amyl Alcohol	Any	90
Butyl Alcohol	"	90
Casein	"	90
Castor Oil		90
Citric Acid	Up to Saturation	150
Cottonseed Oil		90
Cocoanut Oil		90
Ethyl Alcohol	Any	90
Ethylene Glycol	"	90
Gallic Acid	Up to Saturation	150
Glucose	Any	150
Glue	"	150
Glycerine	"	90
Hydroquinone	"	90
Lactic Acid	"	90
Malic Acid	"	90
Methyl Alcohol	"	90
Mineral Oils	"	90
Oleic Acid	"	90
Oxalic Acid	"	90
Propyl alcohol	"	150
Soaps	"	90
Tannic Acid	Up to Saturation	90
Tartaric Acid	"	90
Triethanolamine	Any	150

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*See effect of temperature (page 1).

+Koroseal not affected, but prospective users should Test lining for possible effect on stability of hydrogen peroxide.

Koroseal® "Drop-In" liners offer temperature and chemical resistance up to 200°F. Consult PROTECTIVE COATINGS, INC. FORT WAYNE, IN regarding use at elevated temperatures. Phone: (800) 992-8299.

Lining recommendations are provided here as a general guide only. Specific applications should be checked

With: PROTECTIVE COATINGS, INC. • FORT WAYNE, IN 46803.
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