



Peerless of America, Inc.

Manufacturers of Refrigeration Components and Aluminum Extrusions

Mailing Address: 1201 West Wabash • Effingham, IL USA 62401

Shipping Address: 1201 West Wabash • Effingham, IL USA 62401

Corporate Phone: (217) 342-0400 Corporate Fax: (217) 342-0412

Web Site: www.peerlessofamerica.com

ISO 9001

Certified

FM 54179

Peerless "Peerlite" Coating

A flexible dip and bake epoxy coating

Color:	Black
Coating Thickness:	.08 – 1.0 Mil (20.3 – 30.5 Microns)
Effect on Heat Transfer:	Less than 1%
Thermal Expansion:	-50F deg to 450F deg
Elongation:	200%
Salt Spray:	3000 + hours

Meets military specification Mil-P-53084

NSF Approved

Chemical Resistance Chart

Acetone		Formaldehyde 27%		Phosgene	
Acetic Acid	98%	Formic Acid	88%(NR)	Phenolphthalein	
Acetates	(all)	Fructose		Phosphoric Acid	
Amines	(all)	Gasoline		Potassium Chloride	
Ammonia		Glucose		Potassium Hydroxide	
Ammonium Hydroxide		Glycol Ether		Propionic Acid	
Amino Acids		Hydrochloric Acid	37%	Propyl Alcohol	
Benzene		Hydrofluoric Acid	30%	Propylene Glycol	
Borax		Hydrogen Peroxide	5%	Salicylic Acid	
Boric Acid		Hydrogen Sulfide		Salt Water	
Butyl Alcohol		Iodine		Sodium Bisulfite	
Butyl Cellosolve		Isobutyl Alcohol		Sodium Chloride	
Butric Acid		Isopropyl Alcohol		Sodium Hypochlorite	5%
Calcium Chloride		Kerosene		Sodium Hydroxide	10%
Calcium Hypochlorite		Lactic Acid		Sodium Hydroxide	25%
Carbon Tetrachloride		Lactose		Sodium Sulfate	
Cetyl Alcohol		Lauryl Alcohol		Stearic Acid	
Chlorides	(all)	Magnesium Chloride		Sulfuric Acid	25 - 85%
Chlorine Gas		Magnesium Sulfate		Sulfates	(all)
Chloroform		Maleic Acid		Sulfides	(all)
Chromic Acid	25%	Menthanol		Sulfites	(all)
Citric Acid		Methylene Chloride		Toluene	
Cresol		Methyl Ethyl Ketone		Triethanolamine	
Diesel Fuel		Naphthol		Urea	
Diethanolamine		Nitric Acid	25%	Vinegar	
Ethyl Acetate		Nitric Acid	60%(NR)	Xylene	
Ethyl Alcohol		Oxalic Acid			
Fatty Acid		Perchloric Acid			
Fluorine Gas		Phenol	85%		

(NR) = Not Recommended

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Product Comparison

	Peerless Peerlite Coating	Baked Phenol
Color	Black	Brown
Salt Spray	3000 Hours	3000 Hours
Durability	Very Flexible Consistent film	Very brittle Inconsistent film
Heat Transfer Reduction	Less than 1%	2 – 5%
Fin Coverage	100% Guaranteed	Inconsistent
Bridging	0% Guaranteed	Limited to 14 fpi @ 203 mils dft
PH Range	3 - 12	3 - 8

Coating Procedure

140°F alkaline cleaner by immersion

Portable water rinse by immersion

DI water rinse by immersion

Coating tank

Permeate rinse by immersion

Permeate rinse by immersion

350°F oven bake

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