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AN ISO 9001:2015 CERTIFIED SUPPLIER

CHEMICAL RESISTANCE CHART

DISCLAIMER: No claims for the field (installed) performance or fitness for purpose of any of our products are made or should be assumed from information in this document. All of the following information is provided, based on laboratory testing and/or best information available to the manufacturer, at the time of publication. All data is based on room temperature, or as stated. **Your chemical(s), temperature, concentration and/or type of exposure may differ from the one used in the preparation of this chart and that difference may radically change the performance of our products**. Note that our 439 and X-temp Powersleeve® resin systems are more chemically resistant than our standard system. The user is cautioned to take the most conservative position when evaluating our products and to conduct testing on their own, under the actual conditions of intended usage.

Note: There are over 100,000 chemicals in use, world-wide. It would be impossible to test each of them against each F.A.C.S.™ product. What we provide here is an overview of classes of chemicals. Please contact us if you have additional needs. We may have a case history that corresponds to your application. There are also may be other installation methods that can be used, such as a combination of products, or the use of a chemical barrier film, which allows our products to be used with harsher concentrations than are listed below.

Chemical	PowerSleeve®	Aquawrap®
Acetic acid, 20%	E	P
Acetic acid, glacial	F	P
Acetone	F	F
Acetylene	E	P
Air, atmosphere	E	E
Alcohols (general category)	G to F	G to F
Amines (general category)	E	F to P
Ammonia, anhydrous	E to G	P
Ammonium hydroxide	E to G (30% to 100°F)	P

Key: E = excellent (no effect), G = good (minimal effect), F = fair (moderate to serious effect), P = poor (destructive effect), n/d = no data

Chemical	PowerSleeve®	Aquawrap®
Asphalt	E (to 140°F)	F
Benzene	E to G	F to P
Black liquor	E to G (to 150°F)	G (to 70°F)
Butane	E to G (to 150°F)	P
Carbolic acid	E to G (10% at 130°F)	P
Carbon dioxide	E	E (to 140°F)
Carbonic acid	G (to 130°F)	E (to 70°F)
Other Caustics	E to G (sat'd to 150°F)	G to F
Chlorine Dioxide, dry	E to G	P
Chlorinated water	G	P
Crude oil	E	G
Detergents (general)	E to G	F
Diesel fuel	E to G	G to F
Diethylene glycol	F to P	P
Ethane	E	P
Ethanolamine	E	P
Ethers (general)	F	F
Ethylene benzene	G	F
Ethylene glycol	E	G
Ethylene oxide	P	P
Fluorine gas, dry	P	P
Formaldehyde	F	G (to 40% concentration)
Freon	E to G	G to P
Fuel oil	E	G (to 150°F)
Gas, natural	E	F
Gasoline	E	G
Glycerine	E to G	G (to 70°F)
Heptane	E	G (to 70°F)
Hexane	G	G

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Chemical	PowerSleeve®	Aquawrap®
Hydraulic fluid	E	P
Hydrochloric acid, <10%	E to G	G
Hydrochloric acid, concentrated	G to F (10% at 70°F)	P
Hydrofluoric acid, <40%	P	P
Hydrofluoric acid, >40%	P	P
Hydrogen	E	E
Hydrogen chloride gas, dry	E	G (to 35% conc. at 70°F)
Jet fuel (JP-1, JP-2, JP-3)	E to G	G
Jet fuel (JP-4)	G (to 225°)	F
Kerosene	E to G	E (to 70°F) G (to 120°F)
Ketones (general)	G to F (to 100°F)	P
Lacquer thinner solvent	E	P
LPG (propane)	E	F
Methane	E	F
Methyl alcohol (methanol)	E to G	F
Methyl ethyl ketone	E to G	G (to 70°F)
Methylene chloride	E (to 70°F)	P
Mineral oil	E	G
Motor oil	E	E (to 150°F)
Naphtha	E	F
Natural gas	E	F
Nitric acid	P	P
Nitrogen	E	E
Oils, animal	E	E
Oils, crude	E	G
Oils, mineral	E	G
Oils, vegetable	E	E
Oxygen	G (25% concentration)	E (to 70°F)
Perchloroethylene	G	P

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Chemical	PowerSleeve®	Aquawrap®
Phosphoric acid	P	P
Potassium hydroxide	G	G (to 70% conc. at 70°F)
Propane	E	G
Salt brine solution	G	G
Sea water (saltwater)	E to G	G (protect)
Sewage	G	P
Sodium chloride	E	E
Sodium hydroxide	G	G
Sodium nitrate	E	G
Steam	G	P
Styrene	G	F
Sulfur dioxide gas	E	G (to 70°F)
Sulfuric acid <60%	E	F
Sulfuric acid 70-90%	G (special)	P
Sulfuric acid, concentrated	P	P
Sunlight	E (protect)	E (protect)
Toluene	F	F
Transformer oil	G	F (to 70°F)
Trichloroethylene	E to G (to 160° F)	P
Triethanolamine	E	F (to 70°F)
UV light	E (protect)	E (protect)
Water	E (coat if submerged)	E (coat if submerged)
Xylene	F (to 160° F)	F to P

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