

INFINIGUARD

CHEMICAL RESISTANCE

Moisture cure siloxane based INFINIGUARD® short term and long term chemical and corrosion exposure resistance levels are described in the following table. INFINIGUARD® offers protection from elements covering the entire 1-14 pH range.

INFINIGUARD® offers excellent resistance to all elements and environments in the short term and most environments with direct exposure for long periods of time. The list below includes environments that can present corrosion problems for industrial equipment. Coating resistance for each environment/element listed below is rated on a scale of 1-4 for long term exposure where 4 is excellent resistance with no effect on coating, 3 is very good with minimum maintenance recommended for coating longevity, 2 offers protection but coating life may be reduced without proper maintenance, and 1 is not recommended.

Acetone - 4	Formaldehyde - 2	Phenol 85% - 4
Acetic Acid - 3	Formic Acid - 4	Phosgene - 3
Acetyl Alcohol - 4	Fructose - 4	Phenolphthalein - 4
Amines (all) - 3	Gasoline - 3	Phosphoric Acid - 3
Ammonia - 4	Glucose -	Potassium Chloride - 4
Ammonium Hydroxide - 3	Glycol - 4	Potassium Hydroxide - 2
Ammonium Nitrate - 3	Glycol Ether - 3	Propionic Acid - 3
Amino Acids - 4	Hydrochloric Acid - 2	Propyl Alcohol - 4
Benzene - 3	Hydrofluoric Acid - 2	Propylene Glycol - 4
Borax - 3	Hydrogen Peroxide - 4	Salicylic Acid - 4
Boric Acid - 4	Hydrogen Sulfide - 3	Salt Water/Salt Spray - 4
Butyl Alcohol - 3	Hydrazine - 3	Sodium Bisulfate - 3
Butyl Cellulose - 3	Hydroxylamine - 2	Sodium Chloride - 4
Butyric Acid - 4	Iodine - 4	Sodium Hydroxide - 3
Calcium Chloride - 3	Isobutyl Alcohol - 4	Sodium Hypochlorite - 2
Calcium Hypochlorite - 3	Isopropyl Alcohol - 4	Sodium Sulfate - 3
Carbon Tetrachloride - 3	Kerosene - 3	Sorbitol - 4
Chlorides (all) - 3	Lactic Acid - 4	Stearic Acid - 4
Chlorine Gas - 3	Lactose - 4	Sucrose - 4
Chloroform - 3	Lauryl Alcohol - 4	Sulfuric Acid - 3
Chromic Acid - 3	Magnesium Chloride - 3	Sulfates (all) - 4
Citric Acid - 4	Methyl Ethyl Ketone - 4	Sulfides (all) - 4
Cresol - 3	Mineral Spirits - 4	Sulfites (all) - 4
Diesel Fuel - 3	Mustard Gas - 4	Starch - 4
Diethanolamine - 3	Naphtol - 2	Toluene - 3
Diethyl Ether - 3	Nitric Acid - 3	Triethanolamine - 3
Ethyl Acetate - 4	Oleic Acid - 4	Urea - 4
Ethyl Alcohol - 4	Oxalic Acid - 3	Vinegar - 4
Fatty Acids - 4	Ozone - 4	Xylene - 4
Fluorine Gas - 3	Perchloric Acid - 3	

In order to maintain warranty coverage for treated equipment, Caribbean Energy Solutions requires treated equipment to be cleaned and inspected on a 4-month schedule. Following the required maintenance schedule and protocol, Caribbean Energy Solutions guarantees the integrity of the coating and condenser coils of treated equipment.