

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 - 3	Fluorine Gas - 3	Perchloric Acid - 3
Acetic Acid - 4	Formaldehyde - 2	Phenol 85% - 4
Acetyl Alcohol - 4	Formic Acid - 4	Phosgene - 3
Amines (all) - 3	Fructose - 4	Phenolphthalein - 4
Ammonia - 3	Gasoline - 3	Phosphoric Acid - 3
Ammonium Hydroxide - 3	Glucose -	Potassium Chloride - 4
Ammonium Nitrate - 3	Glycol - 4	Potassium Hydroxide - 2
Amino Acids - 4	Glycol Ether - 3	Propionic Acid - 3
Benzene - 3	Hydrochloric Acid - 3	Propyl Alcohol - 4
Borax - 3	Hydrofluoric Acid - 2	Propylene Glycol - 4
Boric Acid - 4	Hydrogen Peroxide - 4	Salicylic Acid - 4
Butyl Alcohol - 3	Hydrogen Sulfide - 3	Salt Water/Salt Spray - 4
Butyl Cellulose - 3	Hydrazine - 3	Sodium Bisulfate - 3
Butyric Acid - 4	Hydroxylamine - 2	Sodium Chloride - 4
Calcium Chloride - 3	Iodine - 4	Sodium Hypochlorite - 2
Calcium Hypochlorite - 3	Isobutyl Alcohol - 4	Sodium Sulfate - 3
Carbon Tetrachloride - 3	Isopropyl Alcohol - 4	Sorbitol - 4
Chlorides (all) - 3	Kerosene - 3	Stearic Acid - 4
Chlorine Gas - 3	Lactic Acid - 4	Sucrose - 4
Chloroform - 3	Lactose - 4	Sulfuric Acid - 2
Chromic Acid - 3	Lauryl Alcohol - 4	Sulfates (all) - 4
Citric Acid - 4	Magnesium Chloride - 3	Sulfides (all) - 4
Cresol - 3	Methyl Ethyl Ketone - 3	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 - 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.