

CORROSION DATA



CORROSIVE	Cast Iron	Carbon Steel	Bronze	St. St. F 304	St. St. F 316	St. St. 12% Cr	Monel	CORROSIVE	Cast Iron	Carbon Steel	Bronze	St. St. F 304	St. St. F 316	St. St. 12% Cr	Monel
Acetic Acid-Pure	C	C	C	B	A	A	A	Lubrication Oil-Refined	A	A	B	A	A	A	B
Acetic Acid-10%	C	C	C	B	A	A	A	Magnesium Chloride	C	C	B	B	B	B	B
Acetic Anhydride	C	C	C	B	B	B	B	Magnesium Hydroxide	C	C	C	A	A	B	A
Alcohol Methyl (Methanol)	B	B	B	A	A	A	A	Magnesium Sulphate	C	B	B	B	B	C	B
Alcohol Methyl 150°F	B	B	B	B	A	B	B	Mercuric Chloride	D	D	D	D	C	D	C
Ammonia-Conc. % Aq. Sol.	A	A	D	A	A	A	B	Mercury	A	A	D	A	A	A	B
Ammonia-Gas	A	A	D	A	A	A	B	Methane Gas	B	B	A	B	B	B	B
Ammonium Chloride-Sat.	D	D	D	B	A	C	A	Methylethylketone	A	A	A	A	A	A	A
Ammonium Sulphate 1% & 5%-Agt. & Aer.	C	C	C	B	A	C	B	Milk(Fresh or sour)	D	D	B	A	A	B	A
Ammonium-Saturated	C	C	C	C	A	C	B	Naphtha(Crude or Pure)	B	B	B	A	A	B	A
AAmyl Acetate	C	C	B	B	B	C	B	Natural Gas	B	B	B	A	A	A	A
Aniline	C	C	C	B	B	C	B	Nickel Chloride	D	D	D	B	B	C	B
Arsenic Acid - 150°F	D	D	D	B	B	C	D	Nickel Sulphate	D	D	B	B	B	D	B
Asphalt	B	B	A	A	A	A	A	Nitric Acid-Crude	D	D	D	C	A	A	D
Barium Chloride-Sat.	C	C	C	B	A	C	B	Nitric Acid-5%+50%	D	D	D	A	A	A	D
Barium-Aqueous Sol.	C	C	C	B	A	C	B	Nitric Acid-Conc. 70°F	D	D	D	A	A	A	D
Benzoic acid	D	D	B	A	A	C	B	Nitric Acid-Conc. Boiling	D	D	D	C	B	D	D
Benzol	B	B	A	A	A	A	A	Nitric Acid-Fuming Conc. 110°F	D	D	D	A	A	D	D
Boric Acid	D	D	B	A	A	B	A	Nitric Acid-Fuming Conc. Boiling	D	D	D	D	A	B	B
Butane Gas	B	B	A	B	B	B	B	Nitrobenzene	B	B	B	A	A	B	B
Butyric Acid	D	D	C	A	A	A	B	Oil-Miner. & Vegetable	D	D	B	D	C	D	D
Calcium Bisulphate	D	D	D	B	A	C	D	Oxalic Acid - 10% - 70°F	D	D	B	D	C	D	D
Calcium Carbonate	D	D	C	B	A	C	A	Oxalic Acid - 10% - Boiling	D	D	B	D	C	D	D
Calcium Chloride	C	C	B	C	B	C	A	Oxygen	B	B	A	A	A	A	A
Calcium Hydrochloride	D	D	D	C	C	D	D	Petroleum Oils-Crude	B	B	C	A	A	A	A
Carbon Tetrachloride	B	B	B	A	A	A	B	Phosphoric Acid-Crude	C	C	D	D	D	D	D
Carbonic Acid	D	D	D	B	A	C	A	Phosphoric Acid-5% & Boiling	D	D	D	A	A	B	C
Chlorine-Dry Gas	B	B	C	B	B	B	B	Phosphoric Acid-10% Still	D	D	D	B	A	C	C
Chlorine-Moist	D	D	D	D	D	D	C	Phosphoric Acid-10% Agitated	D	D	D	D	D	D	D
Chromic Acid	C	C	D	B	A	C	B	Phosphoric Acid 10% Aer.-Boil	D	D	D	C	A	C	C
Citric Acid-5%-Still	D	D	C	A	A	A	A	Picric acid	C	C	D	A	A	C	C
Citric Acid - Sat.	D	D	C	B	A	B	A	Potassium Chloride	B	B	B	C	C	B	B
Copper Nitrate	D	D	D	A	A	A	C	Potassium Cyanide	B	B	D	A	A	A	A
Copper Sulphate	D	D	D	A	A	A	B	Potassium Hydroxide-5%-Still	A	A	D	A	A	A	A
Creosote-crude	A	A	C	A	A	A	A	Potassium Hydroxide-50%-Boil	B	A	D	A	A	A	B
Dowtherms	B	B	A	A	A	A	A	Potassium Nitrate	B	B	A	A	A	A	A
Ethers	B	A	B	A	A	B	D	Propane Gas	B	B	B	A	A	D	A
Ethyl Alcohol	B	B	B	A	A	B	B	Sea Water	D	D	B	B	A	A	A
Ethylene Glycol	A	A	A	A	A	A	A	Soap Solution	B	A	A	A	A	A	A
Ferric Chloride	D	D	D	D	D	D	D	Sodium Bicarbonate	C	C	B	A	A	A	B
Ferric Sulphate	D	D	D	B	A	C	C	Sodium Bicarbonate-5+50%	B	B	B	A	A	A	A
Ferrous Chloride	D	D	D	D	D	D	D	Sodium Chloride	C	C	B	B	A	C	A
Ferrous Sulphate	D	D	B	B	B	B	B	Sodium Cyanide	B	B	D	B	B	A	B
Fluorine	D	D	D	D	D	D	D	Sodium Hydroxide	B	C	B	B	A	C	A
Formaldehyde-cold	B	A	A	A	A	A	A	Sodium Hypochlorite	D	D	D	C	B	D	B
Formic Acid	D	D	B	C	A	C	B	Sodium Nitrate	B	B	B	B	A	B	B
Furfural	B	A	A	A	A	A	A	Sodium Phosphate(d-Basic)	C	C	C	B	B	C	B
Gasoline Sour	B	B	C	A	A	B	B	Sodium Phosphate(tri-Basic)	B	B	B	B	A	B	A
Gasoline Refined	B	A	A	A	A	A	A	Sodium Sulphate	B	B	D	B	A	B	A
Gelatine	D	D	B	B	A	C	A	Sodium Sulphide	A	A	C	A	A	A	A
Glucose	B	B	A	A	B	B	A	Steam	C	C	C	A	A	C	B
Glue-Dry	B	A	A	A	A	A	A	Stearic Acid-Conc.	C	C	D	A	A	B	B
Glycerine	B	B	B	A	A	A	A	Sulphur-500 F- Molten	C	C	D	A	A	B	A
Hydrochloric Acid(Muriatic)	D	D	D	D	D	D	C	Sulphur Dioxide	B	B	B	A	A	B	A
Hydrocyanic Acid	C	C	D	A	D	D	B	Sulphuric Acid - < 10%	D	D	C	A	A	D	A
Hydrofluoric Acid	D	D	C	D	A	D	B	Sulphuric Acid - 50% + 70°F	B	B	A	A	A	B	A
Hydrogen-Gas	B	B	B	A	A	A	A	Sulphuric Acid - 50% - Boil	D	D	D	D	D	D	C
Hydrogen Peroxide	C	C	D	A	A	B	B	Sulphuric Acid-Conc. 70°F	B	B	A	A	A	B	A
Hydrogen Sulphide-Dry	B	B	D	A	A	B	C	Sulphuric Acid-300°F	D	D	C	C	C	D	C
Hydrogen Sulphide-Wet	C	C	D	A	A	B	D	Sulphuric Acid-Fuming	D	D	C	C	B	D	C
Iodine-Dry-Wet	D	D	D	D	D	D	D	Sulphuric Acid, Sat.	D	D	D	C	C	D	D
Kerosene	B	B	A	A	A	A	A	Sulphuric Acid-Spray	D	D	D	C	C	D	B
Laquer Solvents	B	B	B	A	A	B	B	Tannic Acid-10%	C	C	B	A	A	C	C
Lactic Acid-1%	D	D	D	A	A	B	C	Tannic Acid-10% - Boil	D	D	C	C	C	D	C
Lactic Acid-5%	D	D	D	A	A	B	C	Tar	A	A	A	A	A	A	A
Lactic Acid-5%-Boiling	D	D	D	A	B	D	D	Tartaric Acid-70°F	D	D	B	B	A	D	B
Lactic Acid-10%-150°F	D	D	D	B	C	D	D	Tartaric Acid-150°F	D	D	B	B	B	C	A
Lactic Acid-Conc-70°F	D	D	D	B	C	D	D	Trichloroethylene	C	C	B	A	A	B	A
Lime sulphur	A	A	D	A	A	A	B	Turpentine	B	B	B	A	A	B	A
Linseed Oil	A	A	B	B	B	B	B	Tomato Juice	C	C	C	A	A	B	A
Lubricating Oil-Sour	C	C	D	A	A	B	C	Vinegar	D	D	D	D	D	C	B
Water(Fresh)	C	C	A	A	A	A	A	Zinc Chloride	C	D	D	D	D	C	B
Water Distilled(Labor Grade)	D	D	C	A	A	D	C	Zinc Sulphate	D	D	B	B	B	C	B
Water Distilled (Return Cond.)	D	D	C	A	A	D	C								

A - GOOD RESISTANCE; B - SATISFACTORY; C - POOR; D - NOT RECOMMENDED