

Contact Corrosion Table

CHEMICAL AGENT	Hot dipped galvanized steel	Stainless steel		Brass	Aluminium Sopral	Plastic PA 6.6
		A2	A4			
Acetates		0-1	0	1-2	0	2-3
Acetone		0	0	0	0	0
Acetylene		0	0	3	0	
Alcohols	3	0	0	0	0-1	0
Alum		2	1	2	0	2
Ammonia gas		0	0	3	0	1
Ammonia	3	0	0	3	1	1
Benzene/Toluene/Xylene	0	0	0	0	0	0
Chlorine gas		1	1	1	3	3
Chlorine solution (in water)		1	1			
Hydrochloric acid		2-3	2-3	3	3	3
Chlorides						
- Sodium/ potassium chloride	0	1	1	2	2-3	0
- Ammonium- / zinc chloride		2	1	2	3	2
- Iron chloride		3	3	3	3	3
Citric acid		1	0	2	1	1
Phosphoric acid		2-3	0-1	3	2-3	2-3
Phosphates	0	1	0	2	2-3	1-2
Glycol		0	0	1	1	1
Glycerine	0	0	0	0-1	0	1
Resins	2-3	1	1	2-3	0-1	0
Hydrocarbons						
- Butane, Petrol, Tar	0	0	0	0-1	0	0
Chlorinated hydrocarbons						
- Trichloroethylene	0	0	0	0-1	0	0-1
- Tetrachloride	0	0	0	0-1	0	0-1
Carbonic acid		0	0	2	0	0
Sodium carbonate (soda)		0	0	1-2	0	0
Lacquers	0	0	0	1	0	1
Formic acid		1	0	2	3	3
Oil fuel/ vegetable	1	0	0	0	0	0
Palmitine / Stearin acid		1	0	2	0	0
Nitric acid		1	0-1	3	2	3
- Sodium/ Ammonia nitrate		0	0	2-3	0	2
Water						
- drinking water		0	0	2	0	0
- acid water	1-2			3	2	1
- salt water	0	1	1	2	1	0
Sulphur dioxide dry		0	0	0-1	1	1
Sulphur dioxide wet		1	0	3	2	2
Sulphuric acid	3	3	2-3	3	3	3
- Sodium/ Ammonia sulphate	1	0	0	1	0-1	0
- Nickel / Copper sulphate		0-1	0	2-3	2-3	2-3
Hydrogen Sulphide		0-1	0	2	0	1

0 = good resistance

1 = reasonable resistance

2 = poor resistance

3 = no resistance