

<i>Corrosive medium and condition</i>		<i>Temp. °C</i>	<i>Iron and steel</i>	<i>Bronze</i>	<i>Type 304 stainless</i>	<i>Type 316 stainless</i>	<i>'20' alloy</i>	<i>'Monel' alloy</i>	<i>'Hastelloy' alloy 'B'</i>	<i>'Hastelloy' alloy 'C'</i>	<i>Aluminium</i>	<i>Others</i>
chlorosulphonic acid	conc.	20	D	D	B	B	B	D	A	A	B	
chromic acid	5%	20	B	C	B	B	B	B	D	B	B	Zr: A
chromic acid	10% c.p.	boil	D	D	C	C	C	D	D	B	B	
chromic acid	50% com.	boil	D	D	D	D	D	D	D	B	D	
citric acid	5%	20	D	C	A	A	A	A	A	A	B	
citric acid	5%	66	D	C	B	B	A	B	A	A	B	
citric acid	15%	boil	D	D	B	B	A	B	A	A	C	
citric acid	conc.	boil	D	D	D	B	B	B	A	A	B	Ni: A
copper acetate	sat.	20	D	D	B	B	B	B	A	A	D	
copper carbonate	sat.	20			A	A	B	A	A	A		
copper chloride	1%	20	D	D	C	C	B	D	C	B	D	C20: A
copper chloride	5%	20	D	D	D	C	B	D	C	B	D	C20: B
copper chloride	5%	boil	D	D	D	D	C	D	D	C	D	Ti: B
copper cyanide	sat.	boil			B	B	B	C	B	B		
copper nitrate	5%	20	D		A	A	A	A	D	B		
copper nitrate	50%	hot	D		B	B	B	B	D	B		
copper sulphate	5%	20	D	D	B	B	A	D	D	B	D	C20: A
copper sulphate	sat.	boil	D	D	B	B	A	D	D	B	D	C20: A
creosote (coal tar)		hot	B	C	B	B	A	B	A	A	B	
cresylic acid		20	B	B	A	A	A	A	A	A	A	
developing solutions		20	D		B	B	A	B	A	A		
dichloroethane		boil	D		B	B	B	B	B	B		
'Dowtherm A'		boil	A	D	A	A			A	A	C	
ether		20	A	A	A	A	A	A	B	B	A	
ethyl acetate	conc.	20	B	A	A	A	A	B	B	B	A	
ethyl chloride	dry	20	A	A	A	A	A	B	B	B	A	
ethylene glycol		20	B	A	A	A	A	A	A	A	A	
fatty acids		boil	C	B	B	B	A	A	B	A	C	Ic: A
ferric chloride	1%	20	D	D	D	C	C	D	D	B	D	C20: A
ferric chloride	1%	boil	D	D	D	D	D	D	D	C	D	Ti, Zr: B
ferric chloride	5%	20	D	D	D	D	D	D	D	B	D	
ferric hydroxide		20			A	A	A	A	A	A		
ferric nitrate	5%	20			B	B	A	B	C	B	D	
ferric sulphate	5%	20	D	D	B	A	A	C	D	B	D	
ferric sulphate	5%	boil	D	D	B	B	A	D	D	B	D	
ferrous sulphate	10%	20	D	B	B	B	B	B	B	B	C	
ferrous sulphate	sat.	20	D	D	B	B	B	B	B	B	D	
flourine	dry	20	C	B	B	B	A	B	B	B	D	
flourosilicic acid		20	D	D	D	D	B	B	B	B	D	C20: B
formaldehyde		20	B	B	B	B	A	B	B	B	B	
formic acid	5%	20	C	C	B	B	A	B	C	A	D	
formic acid	5%	66	D	C	B	B	B	C	C	A	D	
formic acid	10-50%	20	C	C	B	B	A	B	C	A	D	
formic acid	10-50%	boil	D	D	D	D	B	C	C	B	D	C20: B
formic acid	100%	20	D	C	C	C	A	B	B	A	D	C20: A
formic acid	100%	boil	D	C	D	D	B	C	C	B	D	C20: B
freon	dry		A	A	A	A	A	A	A	A	A	
freon	wet		B	B	C	C	C	B	B	B	C	
fruit juices		20	C	A	A	A	A	B	A	A	D	Ic: A
fuel oil		hot	B	A	A	A	A	A	A	A	A	

Symbols

A = excellent resistance **B** = good resistance **C** = poor resistance **D** = not recommended

