

<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>
acetic acid	5-10%	20	D	D	A	A	A	B	A	A	A	
acetic acid	5-10%	boil	D	D	B	B	A	C	B	A	D	C20: A
acetic acid	20%	20	D	D	A	A	A	B	A	A	A	
acetic acid	50%	20	D	D	A	A	A	B	A	A	A	
acetic acid	80%	20	D	D	A	A	A	B	A	A	A	
acetic acid	80%	boil	D	D	D	B	B	A	B	A	C	
acetic acid	glacial	20	D	D	A	A	A	A	A	A	A	Zr: A C20: A
acetic acid	glacial	boil	D	D	D	B	A	B	B	A	B	
acetic acid vapours	30%	hot	D	D	C	B	B	B	B	A	D	
acetic acid vapours	100%	hot	D	D	D	C	B	B	B	A	B	
acetic anhydride		boil	C	D	B	B	B	B	B	A	B	
acetone		boil	B	A	B	B	A	A	A	A	A	
acetylene		20	A	D	A	A	A	B	A	A	A	
acid mine water		20	D	D	B	B	A	D	C	B	D	
alcohol, ethyl		20	B	B	B	B	A	A	A	A	A	
alcohol, ethyl		boil	B	B	B	B	A	B	A	A	B	
alcohol, methyl		20	B	B	B	B	A	A	A	A	A	
alcohol, methyl		boil	B	B	C	B	A	B	A	A	C	
alum (Al-K-sulphate)	10%	20	D	D	B	B	A	B	B	B	B	
alum	10%	boil	D	D	B	B	A	B	C	B	C	
alum	sat.	boil	D	D	C	B	B	B	C	B	C	C20: B Zr: A
aluminum chloride	25%	20	D	D	D	C	B	B	B	B	D	
aluminum chloride	25%	boil	D	D	D	D	B	C	B	C	D	
aluminum fluoride	5%	20	D	D	D	C	C	A	B	B	D	
aluminum sulphate	all.	20	D	D	B	B	A	B	B	A	B	
aluminum sulphate	all.	boil	D	D	C	B	A	B	C	B	C	
amines		20	A	B	A	A	A	A	A	A	B	
ammonia	all conc.	20	B	D	A	A	A	C	B	B	B	
ammonia gas		hot	C	D	D	D	B	D			D	
ammonium carbonate		20	B	C	B	B	A	B	B	B	A	
ammonium chloride	10%	20	C	D	B	B	A	B	B	B	D	C20: A C20: A
ammonium chloride	10%	boil	D	D	C	B	A	B	B	C	D	
ammonium chloride	25%	boil	D	D	D	C	B	B	B	C	D	
ammonium hydroxide		20	D	B	A	A	A	C	A	A	B	
ammonium hydroxide	conc.	hot	D	C	A	A	A	D	A	A	B	
ammonium nitrate		20	D	A	B	B	A	C	D	A	B	
ammonium nitrate	sat.	boil	D	D	B	B	A	D	B	B	C	
ammonium persulphate	5%	20	D		B	B	A	D	D	A	D	
ammonium monophosphate		20	C	D	A	A	A	B	A	A	D	
ammonium diphosphate		20	D	B	A	A	A	B	A	A	C	
ammonium triphosphate		20	D	B	B	A	A	B	A	A	B	
ammonium sulphate	5%	boil	D	A	C	B	B	A	B	B	C	
ammonium sulphate	10%	20	D	C	D	C	B	B	D	B	D	C20: B C20: B
ammonium sulphate	sat.	boil	D	C	D	C	B	B	D	B	D	
amyl acetate	conc.	20	C	A	B	B	A	B	A	A	B	
amyl alcohol	conc.	20		C				B			D	Cu: B
aniline	3%	20	B	A	A	A	A	B	A	A	B	
aniline	conc.	20	B	A	B	B	A	B	B	B	B	
aniline hydrochloride		20			D	C	C	B	B	B		
antimony trichloride		20	D	D	D	D			B		D	

Symbols

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

