

<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>
stannic chloride	5%	boil	D	D	D	D	D	D	C	B	D	
stannous chloride	sat.	20	D	D	D	C	B	C	B	B	D	Zr: A
steam		100	A	B	A	A	A	A	A	A	B	
steam		205	A	B	A	A	A	A	A	A	B	
steam		320	C	D	A	A	A	A	A	A	D	
stearic acid		20	C	C	B	A	A	A	A	A	A	
strontium nitrate		20	D	C	A	A	A	A	A	A	A	
sugar juice		66	D	B	B	B	A	B	B	B	B	
sulphate liquors		20	C	D	B	B	B	B	B	B	D	C20: A
sulphite liquors		20	D	D	C	B	B	D	C	B	C	C20: A
sulphur-dry, molten				B	C	B	B	B	B	B	B	
sulphur-wet, molten				D	D	C	B	B	C		C	
sulphur chloride				D	D	C	B	B	D	B	B	
sulphur dioxide	dry	260	B	D	B	B	B	B	C	B	B	
sulphur dioxide	moist	20	D	D	C	B	B	C	C	B	B	
sulphuric acid	1%	20	D	B	B	B	A	C	A	A	B	
sulphuric acid	1%	boil	D	D	C	C	B	B	B	C	C	C20: A; Zr: A
sulphuric acid	5%	20	D	C	C	B	A	C	A	A	C	
sulphuric acid	5%	boil	D	D	D	C	B	B	B	C	D	C20: A; Zr: A
sulphuric acid	10%	20	D	C	D	C	B	C	A	A	C	
sulphuric acid	10%	boil	D	D	D	D	B	B	B	C	D	Zr: A
sulphuric acid	50%	20	D	D	D	D	A	B	A	A	D	C20: A
sulphuric acid	50%	boil	D	D	D	D	C	D	A	D	D	
sulphuric acid	60%	20	D	D	D	D	A	B	A	A	D	C20: A
sulphuric acid	60%	boil	D	D	D	D	D	D	C	D	D	Zr, Ta: B
sulphuric acid	80%	20	D	D	C	C	B	C	A	A	D	
sulphuric acid	80%	boil	D	D	D	D	D	D	D	D	D	Ta: B
sulphuric acid	conc.	20	B	D	B	B	A	D	A	A	B	
sulphuric acid	conc.	boil	D	D	D	D	D	D	D	D	D	Ta: B
sulphuric acid	conc.	20	D	D	D	D	D	D	D	D	D	Ta: B
sulphuric acid	fuming	20	C	D	C	B	A	D	A	A	A	
sulphurous acid	sat.	20	D	D	D	B	B	D	D	B	C	C20: B
sulphurous acid	sat.	120	D	D	D	B	B	D	D	B	D	C20: B
sulphurous spray		20	D	D	D	D		D	D	B	D	
tannic acid		20	D	B	B	B	A	B	B	B	C	C20: A
tannic acid			D	C	C	B	A	B	B	B	D	
tartaric acid	10%	20	D	C	A	A	A	A	B	B	A	C20: A
tartaric acid	10%	hot	D	D	C	B	A	B	B	B	D	
titanium tetrachloride	wet	20	D	D	D	D	D	B	D	B	D	C20: A
trichloroethylene	dry	20	B	B	B	B	B	B	B	A	B	
trichloroacetic acid		20	D	D	D	D	D	D	B	B	D	Zr: A
tri-sodium phosphate			B	D	B	B	B	B	B		D	
turpentine		20	A	B	A	A	A	A	A	A	A	
uric acid	conc.	20	D	D	B	B	B		B	B	D	
varnish		20	C	B	A	A	A	A	A	A	A	
varnish		hot	D	D	B	B	A	A	A	A	B	
vegetable juices		boil	D	D	B	A	A	B	B	A	B	
vinegar		20	D	C	A	A	A	A	A	A	C	
vinegar		hot	D	D	B	B	B	B	B	A	B	
vinegar fumes			D	D	B	B	B	C	B	A	D	

Symbols

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

