

HASTELLOY® C-2000® Alloy

Hydrochloric Acid

Conc. Wt.%	50°F	75°F	100°F	125°F	150°F	175°F	200°F	225°F	Boiling
	10°C	24°C	38°C	52°C	66°C	79°C	93°C	107°C	
1	-	-	-	-	-	-	-	-	0.01
1.5	-	-	-	-	-	-	-	-	0.02
2	-	-	-	-	<0.01	<0.01	<0.01	-	0.09
2.5	-	-	-	-	-	<0.01	0.01	-	0.34
3	-	-	-	-	<0.01	<0.01	0.02	-	0.36
3.5	-	-	-	-	-	0.01	0.65	-	1.61
4	-	-	-	-	<0.01	0.01	1.24	-	2.15
4.5	-	-	-	-	<0.01	0.01	1.48	-	3.98
5	-	-	-	0.01	<0.01	<0.01	1.37	-	4.23
7.5	-	-	<0.01	<0.01	0.57	1.12	-	-	-
10	-	-	<0.01	0.28	0.65	1.54	-	-	-
15	-	-	0.18	0.38	0.7	1.69	-	-	-
20	-	-	0.16	0.36	0.69	1.46	-	-	-

All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Jobs 8-95, 11-95, 18-95, 36-95, 3-96, 9-96, 16-96, and 25-96.

All tests were performed in reagent grade acids under laboratory conditions; field tests are encouraged prior to industrial use.

HASTELLOY® C-2000® Alloy

Iso-Corrosion Diagram for C-2000 Alloy in Hydrochloric Acid

