

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	-	-	-	-	<.01	<.01	<.01	-	0.09
2.5	-	-	-	-	-	<.01	0.01	-	0.34
3	-	-	-	-	<.01	<.01	0.02	-	0.36
3.5	-	-	-	-	-	0.01	0.65	-	1.61
4	-	-	-	-	<.01	0.01	1.24	-	2.15
4.5	-	-	-	-	<.01	0.01	1.48	-	3.98
5	-	-	-	0.01	<.01	<.01	1.37	-	4.23
7.5	-	-	<0.01	<.01	0.57	1.12	-	-	-
10	-	-	<0.01	0.28	0.65	1.54	4.12	-	8.78
15	-	0.04	0.18	0.38	0.70	1.69	3.96	-	10.08
20	-	0.05	0.16	0.36	0.69	1.46	3.22	-	10.39
25	-	0.05	0.20	0.34	0.74	1.21	2.03	-	13.60
30	-	0.04	0.14	0.30	0.58	0.97	-	-	12.20
37	-	0.03	0.10	0.12	-	-	-	-	11.28

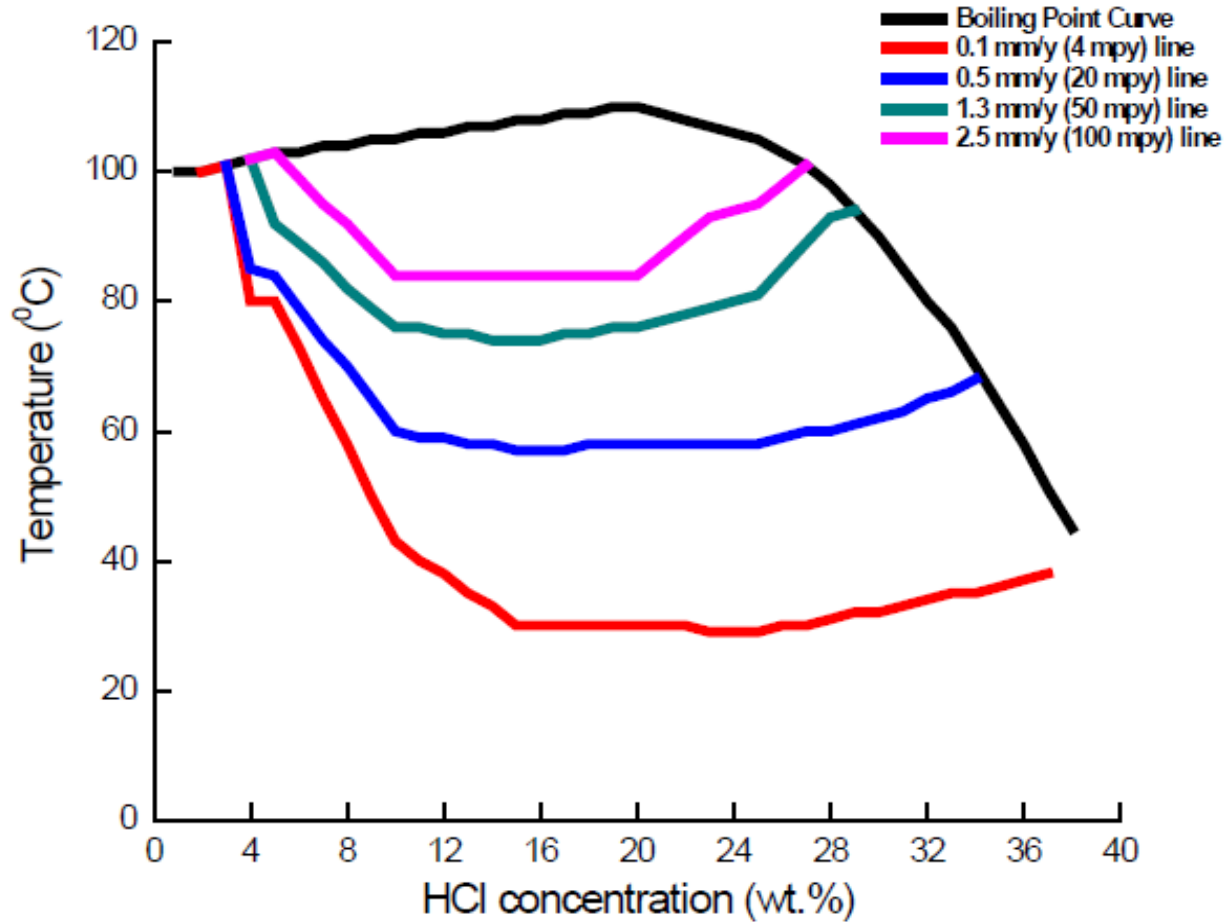
All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Job # 8-95, 11-95, 18-95, 36-95, 3-96, 9-96, 16-96, 25-96, 37-99, 4-00, 55-06 and 9-14.

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

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



When using this data, please refer to our disclaimer located at www.haynesintl.com