

HASTELLOY® C-276 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	-	-	-	-	-	-	-	-	0.33
1.5	-	-	-	-	-	-	-	-	0.7
2	-	-	-	-	0.01	0.02	0.57	-	1.26
2.5	-	-	-	-	-	0.03	0.89	-	1.86
3	-	-	-	-	0.01	0.42	1.18	-	2.34
3.5	-	-	-	-	-	0.57	1.26	-	2.43
4	-	-	-	-	0.02	0.67	1.37	-	2.92
4.5	-	-	-	-	0.37	0.68	1.72	-	3.34
5	-	-	-	0.02	0.31	0.75	1.25	-	3.63
7.5	-	-	0.03	0.31	0.53	0.94	-	-	-
10	-	-	0.17	0.32	0.46	1.18	-	-	-
15	-	-	0.19	0.33	0.54	1.21	-	-	-
20	-	-	0.14	0.29	0.55	1.1	-	-	-

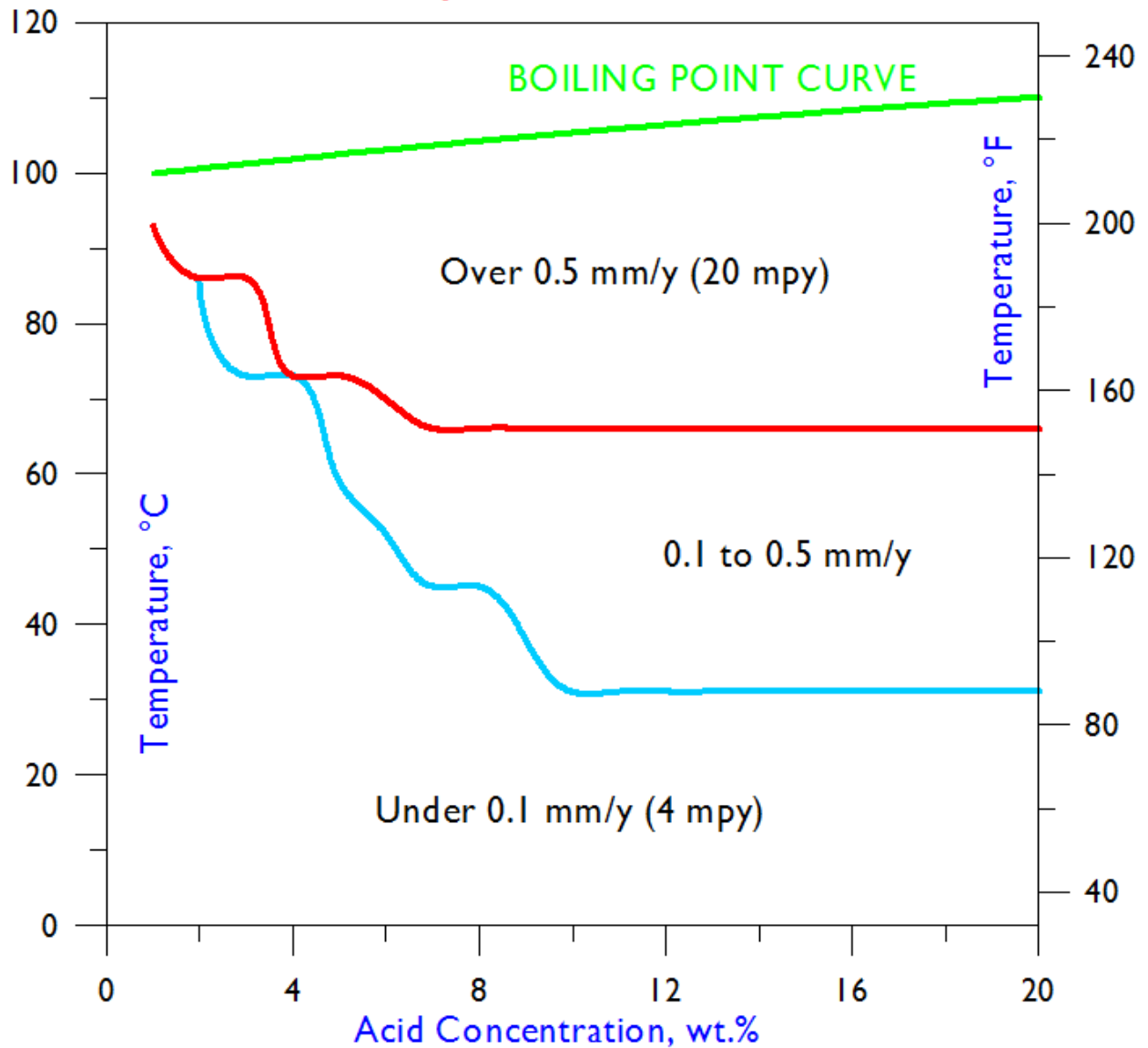
All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

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.

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Iso-Corrosion Diagram for C-276 Alloy in Hydrochloric Acid



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