

HASTELLOY® C-22® 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	-	0.06
1.5	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
2.5	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
3.5	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
4.5	-	-	-	-	-	-	-	-	-
5	-	-	<0.01	-	0.44	1.44	3.02	-	8.99
7.5	-	-	-	-	-	-	-	-	-
10	-	-	0.01	0.28	0.98	1.99	4.39	-	11.68
15	-	-	-	-	0.98	1.91	-	-	11.02
20	-	-	0.2	0.32-	0.9	1.72	3.38	-	9.73

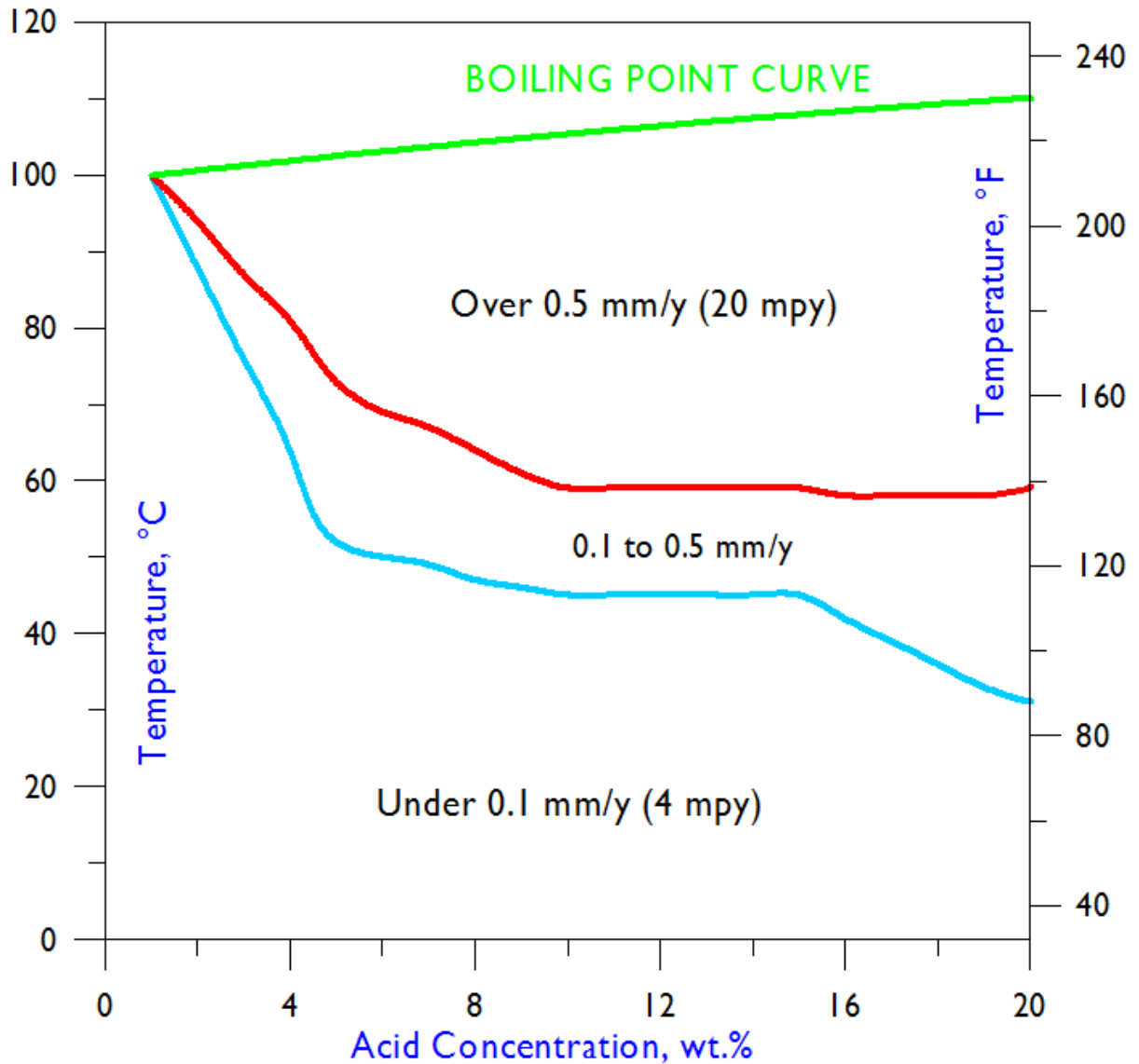
All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Jobs 442-82 and 176-83.

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-22 Alloy in Hydrochloric Acid



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