

## HASTELLOY® C-2000® Alloy

### Hydrofluoric 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	0.03	0.08	0.18	-	-	-
5	-	-	0.02	0.09	0.33	0.57	-	-	-
10	-	-	0.06	0.22	0.56	0.99	2.27	-	-
20	-	-	0.21	0.48	0.68	0.67	0.74	-	-
30	-	-	0.25	0.62	1.61	1.34	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.

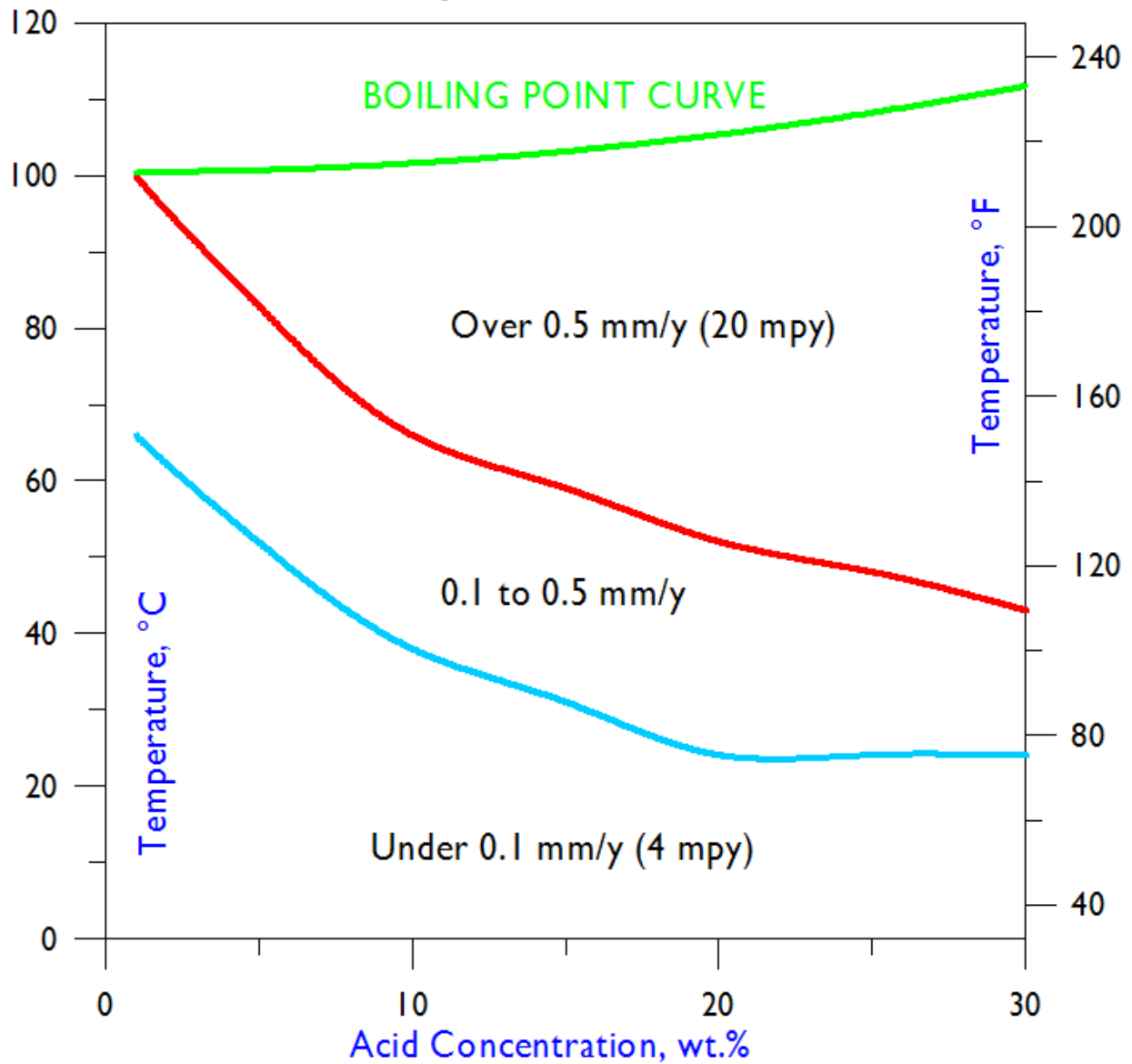
Data are from Corrosion Laboratory Jobs 3-99, 24-99, and 46-99.

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

Hydrofluoric acid is known to cause internal, as well as external, attack of the nickel alloys; these values signify only the amount of external attack encountered during laboratory testing.

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## Iso-Corrosion Diagram for C-2000 Alloy in Hydrofluoric Acid



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