

Ambient temperature 8C/46F Chart of average thickness of HPC and operating temperature to bring HPC surface temperature down to the safety for a touch per OSHA requirements

Average fluid temperature in the pipe		Thermal conductivity HPC (W/m°C)	Average thickness HPC (mm)	Average thickness HPC mils DFT	Temperature on the surface of HPC	
°F	°C				°F	°C
200	93	0.071	5	197	103	39.2
300	149	0.071	6	236	134	56.9
400	204	0.083	12	472	137	58.3
500	260	0.083	17	669	138	58.8
600	315	0.094	24	945	140	60.0
700	371	0.094	29	1142	140	60.0
800	427	0.106	38	1496	140	59.7
900	482	0.117	47	1850	140	59.7

This chart was calculated for 6" OD steel pipe with 4mm thickness and yearly average temperature +8C/46F.