Technical Appendix

All versions of PMC can be fired together, as long as the temperature does not go above 1650• F (900• C). These time and temperature schedules refer to the minimum time needed to achieve a dense metal.

Original PMC	1650° F	900° C	for two hours
PMC+	1650° F	900° C	for 10 minutes
	1560° F	850° C	for 20 minutes
	1470° F	800° C	for 30 minutes
PMC3	1290° F	700° C	for 10 minutes
	1200° F	650° C	for 20 minutes
	1110° F	600° C	for 30 minutes

These charts show the relative strengths and firing times for the three versions of PMC. Notice that Original PMC (top, not much dark yellow) has a small window of proper firing, while PMC3 (bottom, lots of dark yellow boxes) achieves full strength as a much wider range of times and temperatures.

PMC

Firing Temperature									
° F	930	1020	1110	1200	1290	1380	1470	1560	1650
° C	500	550	600	650	700	750	800	850	900
Minutes 5									
10									
20									
30									
60									
120									

PMC+

Firing Temperature									
° F	930	1020	1110	1200	1290	1380	1470	1560	1650
° C	500	550	600	650	700	750	800	850	900
Minutes 5									
10									
20									
30									
60									
120									

PMC3

Firing Temperature									
° F	930	1020	1110	1200	1290	1380	1470	1560	1650
° C	500	550	600	650	700	750	800	850	900
Minutes 5									
10									
20									
30									
60									
120									

Weak

Medium

Strongest