

Temperature Equivalents (°F) For Orton Pyrometric Cones

| Self-Supporting Cones | | | | | | Large Cones | | | | Small |
|---|--|--|-----------|--|--|-------------|--|-----------|--|---------|
| Regular | | | Iron Free | | | Regular | | Iron Free | | Regular |
| <i>Heating Rate °F/hour (last 200 °F of firing)</i> | | | | | | | | | | |

| Firing Ranges | Type | Cone | 27 | 108 | 270 | 27 | 108 | 270 | 108 | 270 | 108 | 270 | 540 | |
|----------------------|---------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Very Low-Fire | Luster | 022 | | 1087 | 1094 | | | | N/A | N/A | | | 1166 | |
| | | 021 | | 1112 | 1143 | | | | N/A | N/A | | | 1189 | |
| | | 020 | | 1159 | 1180 | | | | N/A | N/A | | | 1231 | |
| | | 019 | 1213 | 1252 | 1283 | | | | 1249 | 1279 | | | 1333 | |
| | | 018 | 1267 | 1319 | 1353 | | | | 1314 | 1350 | | | 1386 | |
| | | 017 | 1301 | 1360 | 1405 | | | | 1357 | 1402 | | | 1443 | |
| | | | 016 | 1368 | 1422 | 1465 | | | | 1416 | 1461 | | | 1517 |
| | | | 015 | 1382 | 1456 | 1504 | | | | 1450 | 1501 | | | 1549 |
| | | | 014 | 1395 | 1485 | 1540 | | | | 1485 | 1537 | | | 1598 |
| | | | 013 | 1485 | 1539 | 1582 | | | | 1539 | 1578 | | | 1616 |
| Low-Fire | | 012 | 1549 | 1582 | 1620 | | | | 1576 | 1616 | | | 1652 | |
| | | 011 | 1575 | 1607 | 1641 | | | | 1603 | 1638 | | | 1679 | |
| | | | 010 | 1636 | 1657 | 1679 | 1600 | 1627 | 1639 | 1648 | 1675 | 1623 | 1636 | 1686 |
| | | | 09 | 1665 | 1688 | 1706 | 1650 | 1686 | 1702 | 1683 | 1702 | 1683 | 1699 | 1751 |
| | | | 08 | 1692 | 1728 | 1753 | 1695 | 1735 | 1755 | 1728 | 1749 | 1733 | 1751 | 1801 |
| | | | 07 | 1764 | 1789 | 1809 | 1747 | 1780 | 1800 | 1783 | 1805 | 1778 | 1796 | 1846 |
| | | Raku | 06 | 1798 | 1828 | 1855 | 1776 | 1816 | 1828 | 1823 | 1852 | 1816 | 1825 | 1873 |
| | | | 05 ½ | 1839 | 1859 | 1877 | 1814 | 1854 | 1870 | 1854 | 1873 | 1852 | 1868 | 1909 |
| | | | 05 | 1870 | 1888 | 1911 | 1855 | 1899 | 1915 | 1886 | 1915 | 1890 | 1911 | 1944 |

| | | | | | | | | | | | | | |
|---------------------------|---------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | Bisque | 04 | 1915 | 1945 | 1971 | 1909 | 1942 | 1956 | 1940 | 1958 | 1940 | 1953 | 2008 |
| | | 03 | 1960 | 1987 | 2019 | 1951 | 1990 | 1999 | 1987 | 2014 | 1989 | 1996 | 2068 |
| | | 02 | 1972 | 2016 | 2052 | 1983 | 2021 | 2039 | 2014 | 2048 | 2016 | 2035 | 2098 |
| Lower Mid-Fire | | 01 | 1999 | 2046 | 2080 | 2014 | 2053 | 2073 | 2043 | 2079 | 2052 | 2070 | 2152 |
| | | 1 | 2028 | 2079 | 2109 | 2046 | 2082 | 2098 | 2077 | 2109 | 2079 | 2095 | 2163 |
| | | 2 | 2034 | 2088 | 2127 | | | | 2088 | 2124 | | | 2174 |
| | | 3 | 2039 | 2106 | 2138 | 2066 | 2109 | 2124 | 2106 | 2134 | 2104 | 2120 | 2185 |
| Mid-Fire | | 4 | 2086 | 2124 | 2161 | | | | 2120 | 2158 | | | 2208 |
| | ^5 | 5 | 2118 | 2167 | 2205 | | | | 2163 | 2201 | | | 2230 |
| | | 5 ½ | 2133 | 2197 | 2237 | | | | 2194 | 2233 | | | N/A |
| | ^6 | 6 | 2165 | 2232 | 2269 | | | | 2228 | 2266 | | | 2291 |
| | | 7 | 2194 | 2262 | 2295 | | | | 2259 | 2291 | | | 2307 |
| High-Fire | | 8 | 2212 | 2280 | 2320 | | | | 2277 | 2314 | | | 2372 |
| | | 9 | 2235 | 2300 | 2336 | | | | 2295 | 2332 | | | 2403 |
| | ^10 | 10 | 2284 | 2345 | 2381 | | | | 2340 | 2377 | | | 2426 |
| | | 11 | 2322 | 2361 | 2399 | | | | 2359 | 2394 | | | 2437 |
| | | 12 | 2345 | 2383 | 2419 | | | | 2379 | 2415 | | | 2471 |
| | | 13 | 2389 | 2428 | 2458 | | | | 2410 | 2455 | | | N/A |
| | | 14 | 2464 | 2489 | 2523 | | | | 2530 | 2491 | | | N/A |