

# Firing Adjustments

Metal	Melting Point	Manufactures Recommended Temperature	Manufactures Recommended Time	Our Recommended Temperature	Our Recommended Time	Time increase unit	Temperature increase unit
Fine Silver	1763°F 961.8°C	1650°F 898.8°C	10 mins. – 2 hrs	1650°F 898.8°C	2.5 hrs	15 mins.	20°F 10°C
Sterling Silver 0.960	Brand Specific	1600 -1650°F 871.1°C - 898.8°C	1 hr – 2 hrs	1650°F 898.8°C	2.5 hrs	15 mins.	20°F 10°C
Copper	1985°F 1085°C	1700°F - 1740°F 920°C – 948.8°C	2 hrs	1 <sup>st</sup> 650°F / 343.3°C 2 <sup>nd</sup> 1800°F / 982.2°C	1 <sup>st</sup> – 45 mins. 2 <sup>nd</sup> – 4 hrs	15 mins.	20°F 10°C
Bronze	1742°F 950°C	1500°F - 1550°F 815.5°C – 843.3°C	1.5 – 2 hrs	1 <sup>st</sup> 650°F / 343.3°C 2 <sup>nd</sup> 1510°F / 821.1°C	1 <sup>st</sup> – 45 mins. 2 <sup>nd</sup> – 4 hrs	15 mins.	20°F 10°C

## Key Notes

This guide is intended to use with test firing, we strongly recommend that you **do not test these schedules on completed creations.**

The information provided is intended to assist you in determining the optimal firing schedule for YOUR location and kiln. Your weather conditions and kiln efficiency may (most probably) have an impact on our recommendations as they are based on OUR location and Paragon SC2 (approx. 6 yrs old). If our recommendation works well with your test firing, you can test reducing the firing time gradually in order to optimize power consumption (\$).

Besides Fine Silver, all the metals noted are alloys (mixed metals). The ratio of the metal mix will influence the melting point. This means the above melting point should not be considered as “fixed” but more of a reference point as each metal clay brand varies its metal mix.

Copper / Bronze: Even when a manufacturer does not indicate a 2 stage firing requirement, firing in 2 stages should have no negative impact (besides increased power consumption). Completing a 1<sup>st</sup> stage burn-off of binders allows for a better release of gases allowing a better oxygen circulation in the 2<sup>nd</sup> stage.