

Codes starting with D and Custom Ceramic Decals should be fired according to this Guide. Digital Ceramic Decal Application & Firing Instructions

1/ Cut the motif from the sheet; for decals made with fluxed covercoat, cutting closer to the image minimises the appearance of the flux halo.

2/ Place decal in container of tepid water (not hot) until paper curls; remove from water and leave for 20-30sec until decal slides free of backing paper. This prevents the adhesive from dissolving away in the water and minimises water take up into the decal. Adding a drop of washing up liquid to the water can help reduce surface tension and makes bubbles easier to remove. Make sure your ceramic piece is not cold.

3/ Slide decal from backing paper face up onto wet finished ware. Proceed to "squeeze" out all the water making sure there's **NO** moisture or bubbles underneath. Take extra care over dark areas as the water is harder to remove from these areas and will show any pin holes more readily than lighter areas. **Ideally use a Decal squeegee for this.** This process takes time and care. If the piece to be decorated is not flat, use heat (hot water or heat gun) to heat the body and make the decal more flexible.

4/ Wait **AT LEAST 24** hours for decal to dry. Lower temperatures or higher humidity increases drying time. The acid test for dryness is to set a small kiln at 100 C and insert a decorated piece for 5-10 minutes. If wet, the decal shows water blisters; if dry it stays flat and goes shinier. Digital ceramic decals take longer to dry completely than conventional decals.

Firing

The firing cycle will be determined by the decal you have received. Each digital decal will have a firing temperature/range printed on the decal.

Ideal firing cycle:

0°-95°C @ 30°C/hr

95°- 573°C @150°C/hr

573°C hold 15min

The above is the same for all digital ceramic decals.

****Now check the temperature printed on the digital decal sheet you are firing and select from below.

573° - 790°C MAX RED @300°C/hr then off (No Soak)

573° - 820°C @150°C/hr Soak 15min then off

573° - 835°C @150°C/hr Soak 15min then off

573° - 880°C @150°C/hr Soak 15min then off

Note: All kilns are different. You should test fire to determine the best firing cycle for your kiln.

If you have questions regarding firing, please call us for guidance.