



The PMC Studio Ltd
Specialists in PMC
and courses
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Operating Instructions for the EFCO 110 Kiln

The EFCO 110 kiln has a maximum firing temperature of 1100 C. The voltage of the kiln is 240 V and suitable for all European countries.

Equipment required for firing Precious Metal Clay:

Efco 110 kiln
Kiln shelf (supplied with kiln)
Kiln posts (optional)
Manual controller (available from The PMC Studio)
Timer

Set up

1. Place the kiln on a heat resistance surface such as a heatproof tile away from flammable materials.
2. Plug the kiln into the temperature controller.
3. Plug the temperature controller into a power socket. Make sure the temperature controller is not placed too close or on top of the kiln as the kiln will get hot on the outside.

Firing Precious Metal Clay (PMC)

The example below is for firing PMC3 on its own or with heatproof gems.

1. Place the items to be fired onto the kiln shelf provided and place inside the kiln.
2. Set your timer to the relevant heating minutes. For PMC3 we recommend 13 minutes to reach a temperature of 700 C.
3. When the kiln has reached the temperature turn the switch to 5.5 Reset the timer to 10 minutes or 20 minutes for rings.
4. When the time is up. Switch off the kiln and remove the kiln shelf. Place the kiln shelf onto a heatproof surface. Leave the PMC pieces to cool or quench in a cup of water.



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Recommended firing temperatures and times

PMC type	Hold time	Temperature required - C	Time to reach temperature	Hold setting
PMC3 slow *	45 mins	600	9	4.5
PMC3	20 mins	650	11	5
PMC3 fast *	10 mins	700	13	5.5
		750	15	6
PMC+/22K	30 mins	800	17	6.4
PMC+/22K	20 mins	850	22	6.8
PMC Standard 22K Gold	10 mins	900	25	7.4
PMC+	2 hours	900	25	7.4

PMC3 slow * = Suitable for firing PMC3 combined with glass, ceramics, organic materials (eg leaves) and other types of metal.

PMC3 fast* = Suitable for firing PMC3 only or combined with heatproof stones.

Care

The kiln should be switched off completely when not in use.

The kiln should be stored in a damp proof environment.

Small cracks may appear in the kiln muffle. This is perfectly normal and will not affect the firing temperature within the kiln.

Only use the cables supplied with the kiln and/or temperature controller. Do not lengthen or shorten the cables and avoid using any extension leads.

Do not leave the kiln unattended when in use.

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