

Recommended Firing Schedules

Pre-loaded on CERA-10, ST315 & ST215 Controllers

			Segment one			Segment 2			Segment 3			
Number	Name	Program Description	Ramp Rate °C per hr	Soak Temp °C	Soak Time Hrs: Min	Ramp Rate °C per hr	Soak Temp °C	Soak Time Hrs: Min	Ramp Rate °C per hr	Soak Temp °C	Soak Time Hrs: Min	Ramp Rate °C per hr
1	First Firing	Run this program as the first firing in your new kiln. This will coat your elements in aluminium oxide which acts as a protective layer between the elements and fumes & vapours released from clays and glazes. Leave bungs in until 1000c, then take bungs out for the rest of firing.	50°C	100°C	00:45	150°C	1100°C	02:00	END			
2	Slow Bisque	For thick work which may be uneven in thickness – usually used when work will be then fired to stoneware temperatures. (If firing to earthenware temps for glaze, use High Fire bisque)	55°C	100°C	00:30	60°C	600°C	00:10	150°C	1000°C	00:10	END
3	Medium Bisque	For even thickness work / work which is completely dry.	80°C	200°C	00:00	100°C	600°C	00:10	150°C	1000°C	00:10	END
4	Earthenwear glaze or High Fire Bisque	First firing for work which is made with earthenware clay	60°C	100°C	00:15	110°C	930°C	00:00	60°C	1030°C	00:25	END
	Earthenwear glaze or Low Fire Bisque	Lower temperature, use this firing to bisque work which uses low fire glazes (1020 – 1080 glaze)										
5	Mid Fire	Mid-fire: Cone 6	80°C	80°C	00:05	110°C	1080°C	00:00	60°C	1180°C	00:25	END
6	Stoneware	Stoneware: Cone 9 - 10	80°C	80°C	00:05	110°C	1145°C	00:00	60°C	1245°C	00:25	END
7	Lustre / Decal (Earthenware / Bone China)	Use for Earthenware or Bone China - used after a bisque and glaze firing to apply metals or on-glaze decals to work. See manufacturer's advice for specific temperature on products.	80°C	80°C	00:00	100°C	700°C	00:15	END			
8	Lustre / Decal (Stoneware / Porcelain)	Use for Stoneware or Porcelain – used after a bisque and glaze firing to apply metals or on-glaze decals to work. See manufacturer's advice for specific temperature on products.	80°C	80°C	00.00	100°C	790°C	00:15	END			
9	Candling (Drying)	Candling program to run prior to bisque firing/to dry out wares	60°C	95°C	04:00	END						
10	Empty	Left free to create your own program										

These are recommendations only

Updated: June 2025

Pre-programmed & Suggested Firing Schedules

TC-75 Bentrup Controller



FIRED ^{UP} KILNS
and pottery supplies

Number	Name	Program Description	Segment one		Segment two			
			Ramp Rate °C per hr	Target Temp °C	Ramp Rate °C per hr	Target Temp °C	Soak Time Hrs: Min	Ramp Rate Down °C per hr
1	Candling	Factory pre-set schedule	30°C	150°C	Skip (Max Speed)	150°C	00:00	END
1	First Firing	A suggested schedule	75°C	200°C	150°C	1100°C	02:00	Skip (Max Speed)
2	Low Bisque	Factory pre-set schedule	100°C	600°C	Skip (Max Speed)	800°C	00:10	Skip (Max Speed)
2	Slow Bisque	A suggested schedule	50°C	200°C	150°C	1000°C	00:10	Skip (Max Speed)
3	High Bisque	Factory pre-set schedule	100°C	600°C	Skip (Max Speed)	900°C	00:10	Skip (Max Speed)
3	Bisque	A suggested schedule	90°C	180°C	150°C	1000°C	00:10	Skip (Max Speed)
4	Earthenware	Factory pre-set schedule	180°C	400°C	Skip (Max Speed)	1050°C	00:30	Skip (Max Speed)
4	Earthenware	A suggested schedule	150°C	950°C	60°C	1050°C	00:20	Skip (Max Speed)
5	Mid-Fire	Factory pre-set schedule	180°C	400°C	Skip (Max Speed)	1180°C	00:30	Skip (Max Speed)
5	Mid-Fire	A suggested schedule	150°C	1080°C	60°C	1180°C	00:20	Skip (Max Speed)
6	Lustre	Factory pre-set schedule	250°C	820°C	Skip (Max Speed)	560°C	00:10	80°C hr
6	Stoneware	A suggested schedule	150°C	1145°C	60°C	1245°C	00:20	Skip (Max Speed)

The TC-75 Controller offers an affordable simple controller, it allows for two firing segments. The pre-programmed patterns are intended for European potters and may not reflect your needs. The 6 programs can be amended to follow the instructions in the TC-75 Manual.

We have provided suggested firing schedules as recommendations only, use cones to adjust to meet your intended individual results.