

Sintering Delta Translucent Zirconia

The optimum sintering temperature is 1530 °C. Higher temperatures result in darker, less translucent zirconia restorations. Firing at temperatures lower than 1530 °C produces crowns being more translucent and lighter; however, aging performance degrades. For these reasons, the sintering ovens must be tested to determine the actual temperature in the firing zone.

Delta Multilayered Crowns

Procedure	Initial Temp(°C)	Final Temp(°C)	Time(min)	Heating Rate(°C /min)
Step1	100	1200	110.0	10
Step2	1200	1200	30.0	0
Step3	1200	1300	60.0	2
Step4	1300	1530	57.0	4
Step5	1530	1530	120.0	0
Step6	1530	800	105.0	-7
Step 7	800	150	Natural cooling	

Applicable for:

- Unshaded
- Shaded
- Multilayer