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# Advanced Dental Products, Inc.

## Moisture Removal Procedures

**IMPORTANT!** Do not fire porcelain in the oven until you have performed the moisture removal! If the following procedures are not followed, the muffle may not perform properly!

### Moisture removal and burn in

1. To insure proper installation and to remove moisture, change the idle temp 400°C and let it heat for 1 hour, with the table down.
2. After one hour change the idle temperature to 600°C and let it sit for one more hour with the table still down.
3. After the initial moisture removal run high fusing (Final temperature of 1000°C.) programs for 4 hours to remove binders in the rest of the muffle. While running these programs make sure to place the firing tray on the table. Do not fire porcelain during this period.

### Program Parameters

Entry Time – 0 Min  
Entry Temp – 400C  
Heat Rate 75C / Min  
Final Temp 1000C  
Hold Time 60Min  
Cool Time 5min  
Use Vacuum – No

4. After running the program four times, Remove the firing tray and clean the table.
5. Replace the firing tray.
6. The muffle is now ready to use!

The following are some things to keep in mind to increase the life of your muffle and accuracy of your firings:

- Always de-gas refractory materials in a burnout furnace.
- When leaving for the evening leave the furnace in night mode.
- Keep the table clean and free of debris.
- Keep the idle temperature close to the normal entry temperature of the most commonly used programs.
- Always keep a firing tray on the table.

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