

# Guides for Power Resins

SOURCE:

<https://support.zortrax.com/power-resins/>

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# PowerCast Opaque

## FEATURES



- Perfect surface and print quality for DLP 3D printers,
- 100% ash-free burnout for direct casting of jewelry. You may easily cast 21k, 18k, 14k gold or silver,
- Can be used for any type of jewelry including engraving, smooth surface, high details or filigree jewelry,
- No need for post-curing: only wash with ethyl alcohol, dry with air, and then it is ready for casting,
- Use of standard burnout cycle, no need for special treatment,
- Not smelly or dangerous for health.

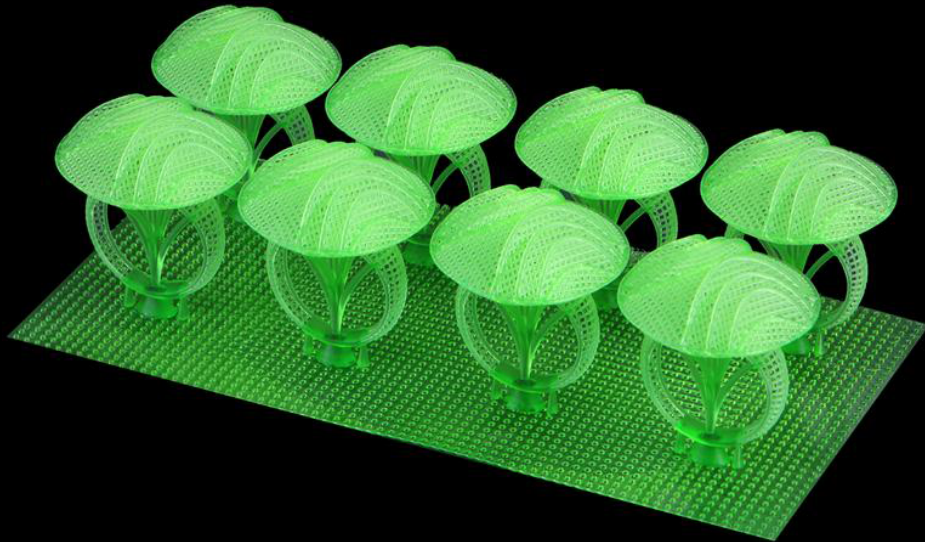
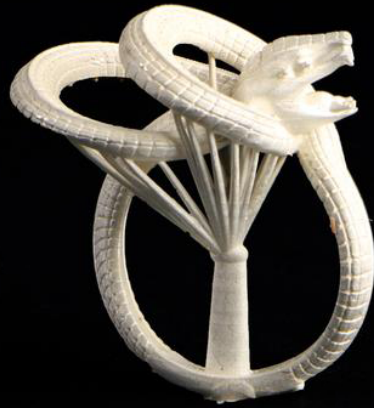
### [Casting and Burnout Cycle for PowerCast Castable Resins](#)

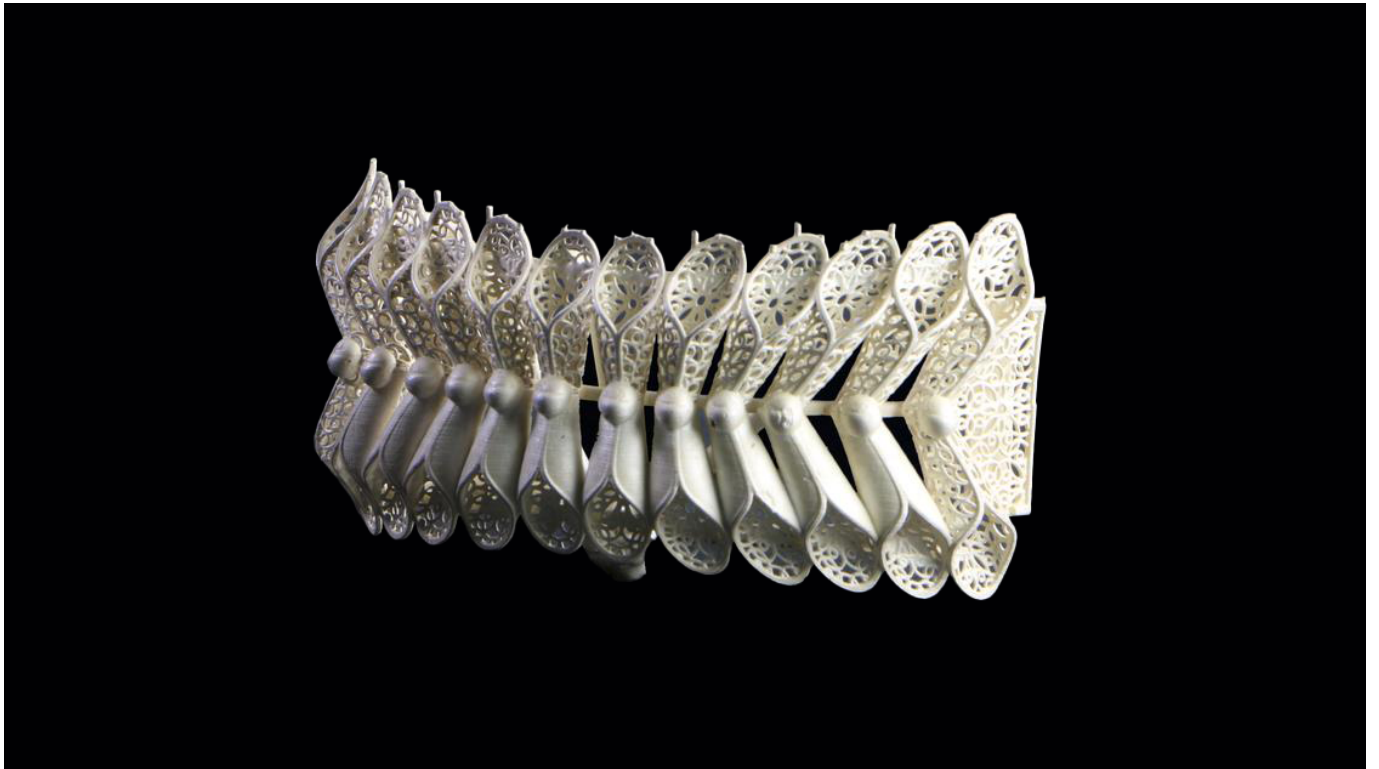
## PROCESS OF WASHING, DRYING BEFORE CASTING

- Wash your prints with ethyl alcohol (ethanol) – you can use 96% ethyl alcohol
  - The best way is to wash first 2-3 times by spraying ethyl alcohol and blowing dry air with a compressor.
  - Do not leave the prints inside alcohol for a long time as this may increase the shrinkage of your prints afterwards.
  - Do not use isopropyl alcohol as it is more reactive. Ethyl alcohol would be much

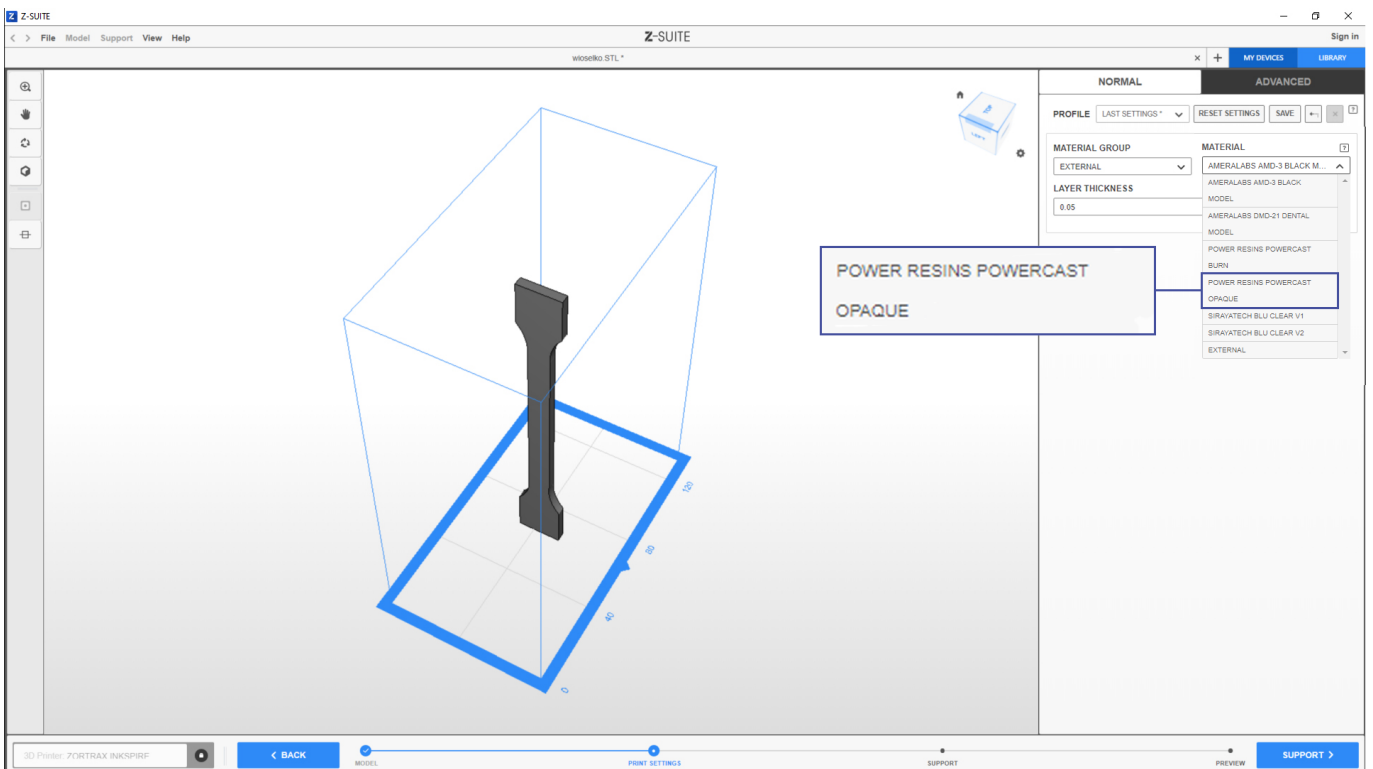
better to clean without reacting with the resin.

- There is no need to carry out UV curing before casting.





## PRINT SETTINGS



First, change the *Material group* to *External*, and then select the *POWER RESINS POWERCAST OPAQUE* from the drop-down list.

Next, set the *Layer thickness* with which you are going to print your model. This parameter determines the height of each layer. Finer layers provide better surface quality but make the printing process more time-consuming.

# PowerCast Burn

## FEATURES

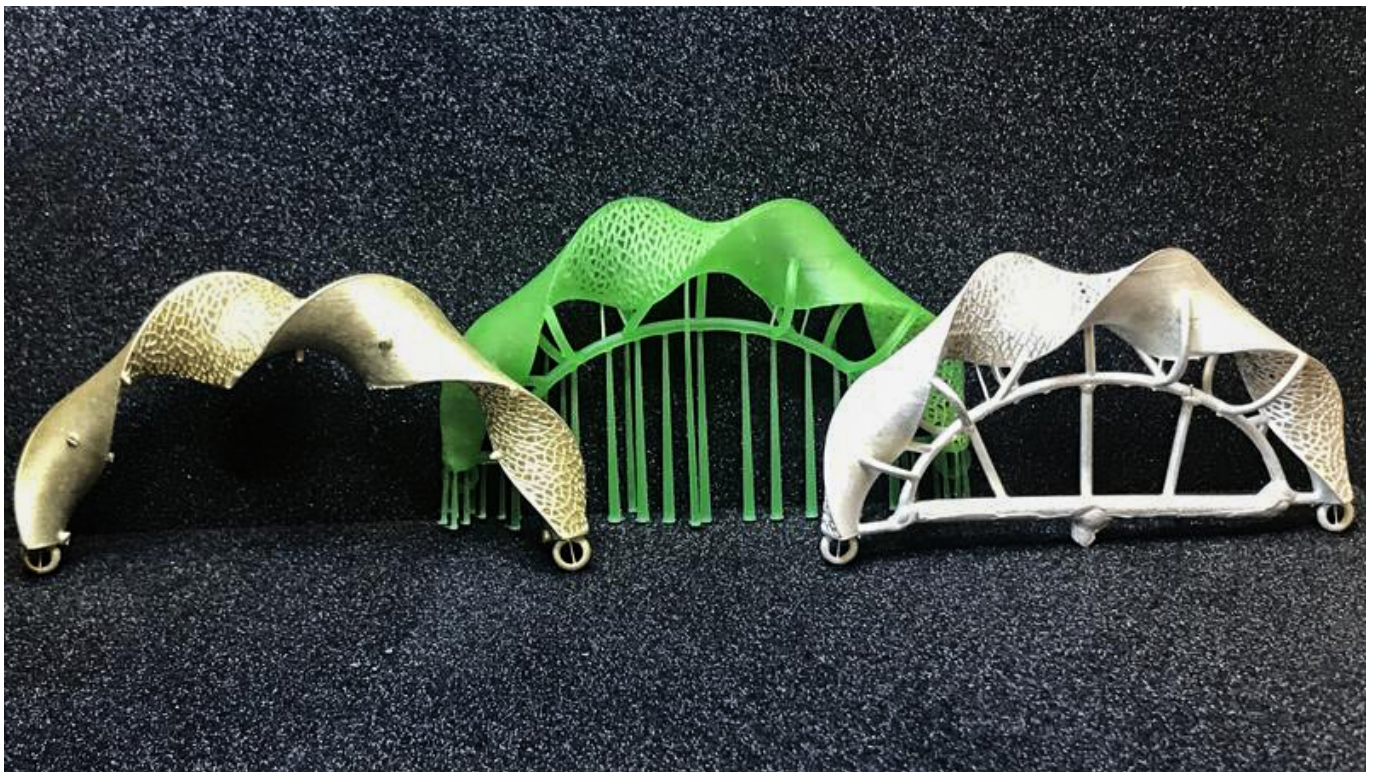


- 100% ash-free burnout for direct casting,
- Suitable for jewelry and dental casting,
- Can be used for any type of jewelry including heavy, European jewelry or filigree designs,
- Perfect casting quality so there is a minimum need of polishing after casting,
- Use of standard burnout cycle.

## [Casting and Burnout Cycle for PowerCast Castable Resins](#)

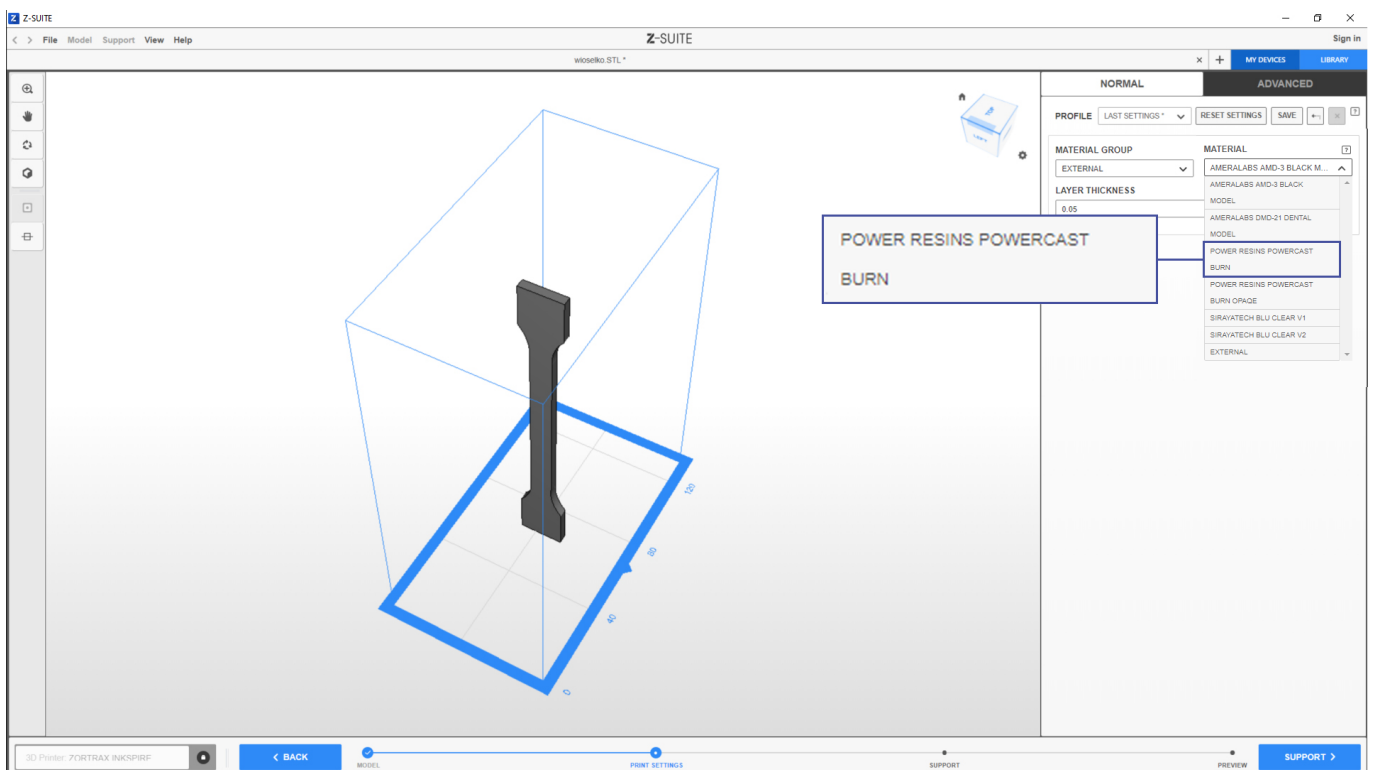
### PROCESS OF WASHING, DRYING BEFORE CASTING

- Wash your prints with ethyl alcohol (ethanol) – you can use 96% ethyl alcohol
  - The best way is to wash first 2-3 times by spraying ethyl alcohol and blowing dry air with a compressor.
  - Do not leave the prints inside alcohol for a long time as this may increase the shrinkage of your prints afterwards.
  - Do not use isopropyl alcohol as it is more reactive. Ethyl alcohol would be much better to clean without reacting with the resin.
- There is no need to carry out UV curing before casting.





## PRINT SETTINGS



First, change the *Material group* to *External*, and then select the *POWER RESINS POWERCAST BURN* from the drop-down list.

Next, set the *Layer thickness* with which you are going to print your model. This parameter determines the height of each layer. Finer layers provide better surface quality but make the printing process more time-consuming.