


UV Curing Oven

AMP LED UV-Cube	
	
Tool Type: "UV curing oven"	
Location: "Elings 2436"	
Supervisor	Tool Lead
Juan Manule Uruena	"WW Name"
	(###) ###-####
jmuruena@ucsb.edu	"WW Email"
Description: "UV Curing Oven "	
Manufacturer: "AMP"	

About

The UV curing oven is located in Elings Hall 2436.

Some Carbon Resins used in the Form 2 3D printer can benefit from post process curing. Each resin has a specific hardening curve which can be found within the reference material which will indicate the ideal time and temperature to be set on the AMP UV curing oven.

Training Documentation

Detailed Specifications

LED source: 365 nm

Power settings

32 mW/cm² upper tray

17 mW/cm² middle tray

12 mW/cm² bottom tray

Safety Concerns

* Allow at least half an hour for IPA to evaporate before placing part in Form Cure * Allow time for the Form Cure to cool off before removing parts * Do not operate form cure with lid open

Operating Procedures

1. Any part to be cured needs to be washed in the FormWash with IPA BEFORE being placed in the form cure.
2. Supports can be removed before or after curing process.
3. Wait 30 minutes after washing to allow all remaining IPA to evaporate
4. Check the reference material for selected resin to determine ideal time and temperature for curing
5. Use the dial on the front of the FormCure to set time and temperature
6. Place part within the FormCure→ press start.

Reference Documentation

amp_led_uv-cube_ii.pdf

From:

<https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/> - NSF BioPACIFIC MIP Wiki

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/doku.php?id=amp_led_uv-cube_ii&rev=1653688528

Last update: **2022/05/27 21:55**

