FormCure UV Curing Station

FormCure

Tool Type: Post-processing
Location: Innovation Workshop
Description: FormLabs UV curing chamber
Manufacturer: FormLabs

Last updated 1/5/23 Haley

About

After your FormLabs print has gone through the FormWash, the resin should be cured in the FormCure, a UV curing chamber. Each resin has a specific hardening curve that can be found within the reference material. This will help you indicate the ideal time and temperature to be set on the FormCure.

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. Supports can be removed before or after curing process.
2. Wait 30 minutes after washing to allow all remaining IPA to evaporate
3. Check the reference material for selected resin to determine ideal time and temperature for curing

4. Use the dial on the front of the FormCure to set time and temperature
5. Place part within the FormCure→ press start.

Detailed Specifications

- Max cure temp: 80 degrees C
- Light: 39W total drawn by 13 405 nm LEDs

Reference Documentation

Form 2 Training SOP

https://support.formlabs.com/s/article/Using-Form-Cure?language=en_US

https://support.formlabs.com/s/article/Form-Cure-Time-and-Temperature-Settings?language=en_US

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