**2022-03-31**

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| Triplets v6 | Blue tip – slower than velocities |

# **Checklist**

Preheat Glue

Position Tiles

Turn Vacuum off

Put measurement cap on

Turn Kamera light off

Measure tiles

Put cap off

Turn Vacuum on

**Glue:**

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| --- | --- | --- | --- |
| Start Time: |  |  |  |
|  | Measurements / Parameters to test | Stopwatch time | Comments |
| Glue Temperature: | 57 °C |  |  |
| Weight Glue: | 10,047g |  |
| Weight Hardener: | 0,752g | **Start Stopwatch** |  |
| Glue Temperature: | 30,7 °C | 1:50 |  |
| Degas Pictures taken after X min: | 2min, 5min 8min 10min | Start: 2:10 end: 14:11 |  |
| Glue Temperature: | 27,3 °C |  |  |
| Filling Syringe |  | Start 16:50 | First time pushing in stopper was too fast, -> work later with less force |
| Testing Dispenser |  | 22:51 |  |
| Leveling Procedure |  | 25:00 | For x-y calibration additional light source was needed |
| Start Triplet 1 | v = 3.3 | 27:30 |  |
| End Triplet 1 |  | 28:16 |  |
| Start Triplet 2 | V = 3.8 | 29:00 |  |
| End Triplet 2 |  | 29:42 |  |
| Start Triplet 3 | V = 4.5 | 30:33 |  |
| End Triplet 3 |  | 31:07 |  |
| Turn Vacuum off |  | 32:20 |  |
| Put measurement cap on |  | 34:15 |  |
| Start measurement (Repetion: x24) |  | 00 |  |

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| after 2 min | After 5 min | after 8 min | after 10 min |

## Results

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|  | **Triplet Description**  - Blue Triplet  - blue tip: ø=0.41mm  - v = 3.3 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |
|  | **Triplet Description**  - brown Triplet  - blue tip: ø=0.41mm  - v = 3.8 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |
|  | **Triplet Description**  - yellow Triplet  - blue tip: ø=0.41mm  - v = 4.5 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |

## Analysis Results:

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