**2022-04-14**

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| What is this experiment for? | Trip v7: blue tip – slower & more granular velocities |

# **Checklist**

Position Tiles

Turn Vacuum off

Put measurement cap on

Turn Kamera light off

Measure tiles

Put cap off

Turn Vacuum on

**Glue:**

|  |  |  |  |
| --- | --- | --- | --- |
| Start Time: |  |  |  |
|  | Measurements / Parameters to test | Stopwatch time | Comments |
| Glue Temperature: | 58 °C |  |  |
| Weight Glue: | 10,121g |  |
| Weight Hardener: | 0.755g | **Start Stopwatch** |  |
| Glue Temperature: | 29,9 °C | 00 |  |
| Degas Pictures taken after X min: | 3, 5, 9, 12 min | Start 2:16 end 1500 | 2 min longer for full degassing |
| Glue Temperature: | 30 °C | 1550 |  |
| Filling Syringe |  | 1702 |  |
| Testing Dispenser |  | 18:18 | Runs perfect |
| Leveling Procedure |  | 19:35 |  |
| Start Triplet 1 | v = 3,8 | 21:52 |  |
| End Triplet 1 |  | 22:45 |  |
| Start Triplet 2 | v = 4,0 | 23:20 |  |
| End Triplet 2 |  | 24:06 |  |
| Start Triplet 3 | V = 4.2 | 24:57 |  |
| End Triplet 3 |  | 25:37 |  |
| Turn Vacuum off |  | 26:10 |  |
| Put measurement cap on |  | - |  |
| Start measurement (Repetion: x24) |  | 28:33 |  |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| After 3 min | After 5 min | After 9min | After 12 min |

## Results

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| --- | --- |
|  | **Triplet Description**  - Blue Triplet  - blue tip: ø=0.41mm  - v = 3.8 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |
|  | **Triplet Description**  - brown Triplet  - blue tip: ø=0.41mm  - v = 4.0 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |
|  | **Triplet Description**  - yellow Triplet  - blue tip: ø=0.41mm  - v = 4.2 mm/s  - ϕ=0.01245cc/s  Vac release right after gluing |

## Analysis Results:

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