

Gecko Glue™ Concentrate

Mixing Unit

Assembly and Installation Guide



1-800-245-3188

www.ductmate.com

Ductmate Gecko Glue™

Concentrated Duct Liner Adhesive Mixer



01

Mounting Instructions

1. Move mixing station to its desired location and fasten it to the floor through the four fastener holes in the mixer base using 3/8" diameter hardware, not included.

- Mark on the floor the front two center points 13" apart
- At a 90 degree from the front holes, mark the rear two center points 19 1/2" back from the front center points with the same 13" distance from each other
- Check the cross sectional distance of 23 7/16"
- Drill holes, place mix station over holes/ fasteners
- Fasten to the floor

1a.



1b.



1c.



1d.



1e.



**** WARNING: THIS UNIT MUST BE MOUNTED ON LEVEL GROUND FOR THE GEARS TO PERFORM PROPERLY. IF NOT MOUNTED CORRECTLY, MISALIGNMENT OF GEARS MAY CAUSE PREMATURE WEAR ****

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02

Operating Instructions

1. Connect airline to regulator in control panel
2. Set regulator between 80-100 psi. **WARNING:** do not exceed 110 psi.
3. Plug the 110VAC / 30amp NEMA L5-30 end to shop power
4. Connect hose hook to water supply
5. Remove lid to the mixing drum
6. Open the drum locks with the pneumatic push/pull switch labeled "Drum Lock", push in. Insert the mixing drum with the lock cutouts facing towards the mixer base. Note: If the mixing drum is inserted incorrectly, the lock will not contact or the mixing drum will not completely slide over the mixer platform.
7. While holding the mixing drum in place, close the drum locks with the pneumatic push/pull switch labeled "Drum Lock", pull out.
8. Place the hose hook on the side of the opened mixing drum away from your tube loading area.
9. The water must cover the blade or be about 1/3 full in the drum. **WARNING: Never reach into the drum while mixing blade can be engaged.**



10. Once the blade is covered, turn on the mixer motor to start the vortex with three position toggle labeled "Motor Power". Flip toggle to the "LOW" position (center is off).
11. Remove 3 tubes from the master box. Remove tubes from the plastic bags and remove the Power Pack and set aside.
12. Holding the tube away from the tube stop arms, remove sealing tape and remove plastic end cap from the dispensing end as indicated on the tube label. Note: When removing the end cap, peel one side away from the tube until it clears the end of the tube and pull the lid perpendicular to the tube, scraping off any excess material stuck to the lid with the end of the tube.
13. Let the tube then rest on the end of the tube stop arms. With hand centered on top of tube, activate plunger to dispense liquid into mixing drum with the pneumatic toggle switch labeled "Dispense", toggle to "IN" position
14. Use scrapers to remove any excess material left on the tubes pusher plate

10a.



10b.



12a.



12b.



12c.



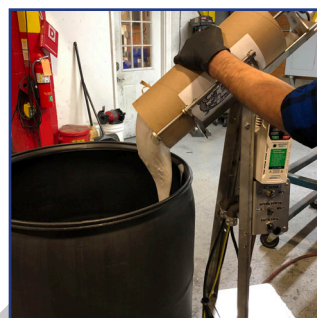
12d.



13a.



13b.

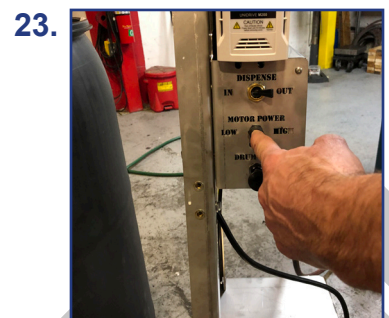
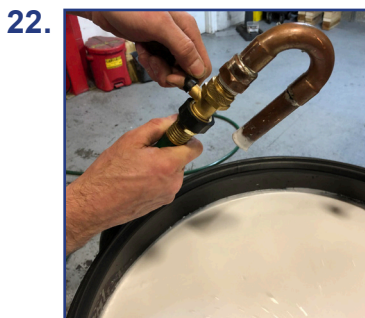
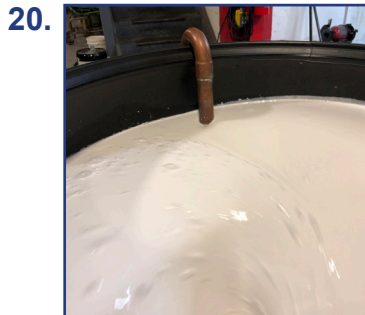


14.



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15. Retract plunger with the pneumatic toggle switch labeled "Dispense", toggle to "OUT" position
16. When plunger is clear, lift tube out of dispenser. Allow any excess glue to dry on tubes before disposing
17. Repeat steps 12-16 for the remaining tubes while increasing the mixer motor speed to maintain a vortex. Note: If making half batch, dispense two full tubes, one half tube and one power pack. For full drum batch, dispense four full tubes, two half tubes and two power packs.
18. Add power pack(s) by pouring them into mix
19. If desired, pour in Gecko's color additive and mix thoroughly
20. Fill water level to fill line on drum or desired level to accommodate desired viscosity. If mixing half batch, fill to Gecko label fill line.
21. At any time when the vortex subsides, the motor can be moved to the "High" position, but after all ingredients have been added, toggle "Motor Power" to the "HIGH" position. At this point the mixer need only run for a few additional minutes, but allowing it to run longer will not hurt the mix.
22. Close the hose hook valve and set aside
23. Turn off "Motor Power" with the toggle to the center position
24. Connect lid to mixing drum
25. Open the drum locks with the pneumatic push/pull switch labeled "Drum Lock", push in
26. Wheel mixing drum off of the mixing station and to your desired spray location



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03

Belt Removal & Install -----

1. Make sure the shop airline is disconnected from the regulator and the electrical plug has been disconnected
2. Unscrew the three 1/4"-20x3/4" long bolts holding the back cover on and set aside
3. Unscrew the two 1/4"-20x3/4" long bolts holding the top cover on and set aside
4. Loosen the four 3/8-16x3/4" long bolts from the top of the mixer that hold the motor to the base so that the motor moves freely on the base.
5. Push motor towards the front of the mixer and push the belt downwards off the motor timing pulley.
6. From the front of the mixer, pull the belt forward and pull upwards removing the belt from the mixer.
7. Slide new belt over the front drive gear & timing pulley while guiding belt towards the motor timing pulley
8. Place belt on to the front drive timing pulley
9. From the back or front through the access ports, guide belt over the motor timing pulley
10. Pull the motor towards the back to tension the belt. Note: Using a pry bar to hold motor in place by leveraging on the cross brace to push the motor plate tight. Tighten one 3/8-16x3/4" long bolts
11. Tighten the four 3/8-16x3/4" long bolts from the top of the mixer that hold the motor to the base
12. Install the back cover with two 1/4"-20x3/4" long bolts and tighten
13. Install the top cover & install three 1/4"x20x3/4" long bolts to hold the top cover in place and tighten

2a.



2b.



3.



4.



5a.



5b.



6.



10.



11.



12.



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