

Polyurea Spray Start-up Checklist

Initial

- _____ 1. Preheat Resin and ISO to at least 75° F / 25° C.
- _____ 2. Premix **Resin** only for at least 30 minutes with air powered mixer.
- _____ 3. Install / inspect moisture traps on air supply and check for oil in the air.
 - a. For pneumatic proportioner, make sure oiler has oil in it, run air line to gun **BEFORE** oiler!
- _____ 4. Check power source for a minimum of 220-V, single 35Amps or 3-Phase, 60 Amps, or appropriate power.
- _____ 5. Make sure all legs are hot on your incoming power.
- _____ 6. Check rotation on the hydraulic pump for power hydraulic units.
- _____ 7. Make sure transfer pump air motors are lubricated and you have sufficient airflow.
- _____ 8. Make sure all air lines are attached, transfer pumps, gun hose, etc.
- _____ 9. Check / clean the filter screens on the material inlet strainers (40-mesh).
- _____ 10. Make sure you have material and all supply lines are open before you start the pump / heating.
- _____ 11. Make sure you have a working drier on the ISO drum.
 - a. make sure small bung on Resin drum is open.
- _____ 12. Turn on hose heat first (**not primary heater**) and allow hose to heat up.
 - a. Check hose heat to make sure you are pulling sufficient amps to heat hose.
- _____ 13. Unwind complete gun hose while warming up.
- _____ 14. Check pump lube to make sure it is not cloudy or clumpy.
- _____ 15. Check to make sure you have the appropriate gun for the job you want to do.
 - a. Probler or LS-gun
- _____ 16. Check to make sure you have the appropriate modules and PCD's.
- _____ 17. Make sure you have all the appropriate tools for servicing the pump and guns.
- _____ 18. Make sure the gun is clean and the mixing chamber is drilled to the specified hole size.
 - a. Check filter screens on gun block.
- _____ 19. Make sure the air holes in the gun are clear. Use the air to the air cap!
 - a. insure that the gun, trigger is functioning properly.
- _____ 20. Check Mixing chamber to make sure it is set at the right stopping point.
- _____ 21. Make sure you bring the plenty of gun solvent to clean with it.
- _____ 22. Make sure you bring the appropriate spare parts to the job.
- _____ 23. Make sure you have calipers to double check the drill sizes.
- _____ 24. Check humidity and surface temperature before spraying. Be cautious of dew point and
 - a. moisture or other contaminants on the substrate.
- _____ 25. Check to make sure you have considered overspray and how you are going to
 - a. control it. There will be some overspray with the Probler gun.
- _____ 26. Turn on primary heaters and allow to come up to temperature.
- _____ 27. Pressurize system and note pressure balance between ISO and Resin
 - a. bleed high pressure side at end of spray hose. Attach appropriate spray gun.
- _____ 28. Make sure you have **and USE** the appropriate respirators or fresh air system for all people on the job.
- _____ 29. Check spray pattern on poly sheet before spraying job. Must have nice even pattern without
 - a. fingering. Spray samples films to submit for testing and verification on material.
- _____ 30. Verify desired texture before spraying. Test the spray technique on poly first.

Foreman:

Job No.:
