**Quality Control Process:** (Step by Step)

* All of the materials used to manufacture our pools are shipped into the facility from vendors with spec sheets to **ensure quality from the start.**
* Our mold is moved into the Gelcoat area, inspected for imperfections, cleaned, and tacked off to **ensure all surfaces are dust-free.**
* Gelcoat is applied to a thickness of approximately 30 mils, then **checked with a mil-gauge to** **ensure accuracy**, then the gelcoat is allowed to cure for approximately 30 – 45 minutes, depending on the outside temperature.
* The mold is moved to the lamination area where vinyl-ester resin is applied with 4 – 5 oz of chopped strand fiberglass and **checked with a mil gauge to ensure accuracy.** (It’s during this step of the process all air voids are rolled out by by our highly skilled staff and then given a **final inspection** by quality control manager).This layer of resin/fiberglass is then allowed to cure overnight to **ensure all heat is removed** before final steps of glass work is complete.
* Next day the part is preped in lamination area for the hand-lay process. Starting with one layer of 1.5 oz. of strand mat, over-laid by 24 oz. of roving. An additional layer of 1.5 oz. strand mat is applied before a final layer of 24 oz. roving is applied. **Each layer of fiberglass** is inspected by the quality manager before moving forward to the next.
* High grade core materials are applied throughout strategic areas of the laminate during the build, such as: sides, steps, coping, etc… This **ensures consistancy, strength, and long lasting durability** of ALL our pools.
* The pool is allowed to cure for 6 – 10 hrs before being pulled from the mold. Applying air to blow holes on the mold allowes for an **easier release** between mold and part.
* The pool is moved to the final finish area where it is detailed and given a **final inspection.**
* The finished pool is loaded onto a trailer where it’s again **inspected by the driver** before leaving our facility.