

# Especially Designed for Churches of Christ & Christian Churches

## Aqua Seal Protection – ChurchPools.com 800-639-7397

Fiberglass Baptistries are not designed for you to keep water in for more than a few days. Over time, water will penetrate the Gelcoat surface and cause blisters in the surface. Aqua Seal is a protective barrier coating added in during the manufacturing process which will allow for water to be left in the baptistry for up to 3 months between cleanings. This process cannot be added to an existing unit. Due to the use of high performance vinyl ester resins there is up charge of 25% of the baptistry cost for this process.

### So now you may ask...

✓ **When should I consider adding the Aqua Seal Feature to my baptistry?**

If you are planning on leaving water in your baptistry for extended periods of time the aqua seal would be a great feature to add.

✓ **Why should my church spend additional money on the Aqua Seal Feature?**

In short, your baptistry is made up of Gel Coat (the colored coating you see when you look in the tank), Polyester Resin (the liquid that bonds the glass fibers together and cures to a hardened state), Glass Fibers (small lightweight fibers that mix with the resin and give the tank its strength), and some wood structural components that give the tank additional support. The Gel Coat, though it may be hard to believe, is not waterproof. When the Gel Coat is submersed in water for long periods of time it will actually start to take on water through small microscopic holes. Water is a natural lubricant and due to it being made up of very small molecules, over time it penetrates beyond the Gel Coat surface. Once the water has penetrated the Gel Coat it then approaches the Polyester Resin and can start to absorb more quickly into the product through the glass fibers. At this time the water begins to combine with other water soluble materials in the resin. These water soluble materials include phthalic acids, glycol, cobolts, mekp and styrene which have not gone through full cure in the hardening process. Once this solution has formed it cannot pass back through the Gel Coat as quickly due not to its increased molecular size. As the water continues to penetrate the Gel Coat and mix with the solution it eventually builds up enough pressure to form a BLISTER.

✓ **What does the Aqua Seal Feature do to prevent the baptistry from BLISTERING?**

There is an additional step to the manufacturing process, called a Barrier Coat. This Barrier Coat is approximately an 18-20 Mil coating that is sprayed on after the Gel Coat has cured but prior to the Polyester Resin and Glass. This particular Coat is Vinyl ester based and ultimately prevents the water from penetrating into the glass laminate.



### Baptistry Covers

Baptistries are normally heated before use. Water comes from the ground at 54 degrees F and is too cold to enter. Hypothermia will set in within a few moments if one is not careful. The use of a good heater will enable the water temperature to get to 94 or 95 degrees where it will be quite comfy (remember your body temperature is 98-99 degrees). Since there is usually not a top on the baptistry, however, the heater will tend to run continually causing your electric meter to run on and on. It also will shorten the lifespan of heaters if they run continuously. A protective cover can prevent the escape of moisture which can be over time be harmful to your instruments or furniture.



The answer, of course, is to offer a baptistry cover made to the same quality and specifications as spa covers. Designed for long term use, these covers can be "locked down" with the straps to help prevent kids from falling in, and will keep excess moisture from entering the sanctuary area, piano, furniture and other wood items that don't need saturation. Custom made to fit your baptistry. They are available up to 12' long and 4' wide. Larger baptistries bay need 2 covers.

### Baptistry Heater

While we offer a wide selection of baptistry heaters, one in particular is best for churches that leave water in the baptistry. The ChurchRite Deluxe Baptistry Heater with a 7 day timer allows the heater to cycle on and off without continuously running. This will provide a savings on your electric bill. In addition, the ChurchRite Deluxe Heater is the only model which can be safely used with chemical treatments such as Chlorine or Bromine (in moderate amounts) to sanitize your baptistry water. The ChurchRite Deluxe Heater was originally designed based on spa heater designs.



### Filter/Skimmer

We also offer a cartridge style skimmer/filter for use with your baptistry to help keep bugs out and keep your baptistry clean for use at any time.

