



## **Major Polymer Breakthrough Lowers Cost and Improves Performance of FRP Composite Cooling Water Pipe**

Fiber reinforced plastic (FRP) composite pipe has been successfully used for many years for the transporting and distribution of "cooling" water. In fact, FRP composite pipe has been the material of choice for cooling tower piping. Lightweight, corrosion resistance, ease of repair and maintenance, and versatility have all been major advantages of FRP composite pipe for the handling of cooling water. Industrial Fiberglass has now made that selection of FRP composite pipe even easier, and more economical. We have been working with Reichhold Chemical, the world's largest manufacturer of resins for composites, and have developed a new vinyl polyester resins system for FRP composite pipe - specifically targeted for cooling water piping.

If cost was not a consideration, all cooling tower piping would be constructed of a premium grade vinylester resin. The vinylesters offer superior toughness, excellent abrasion resistance, impact resistance for field handling and installation, and proven long service life. However, vinylester resins are not cheap. As a result, in the past, most cooling water pipe has been made using an isophthalic polyester resin. Isophthalic polyesters offer suitable corrosion resistance, ease of fabrication, and lower price. However, the iso-polyesters do not match the performance of vinylesters for toughness, impact resistance, and worry-free field installation.

Industrial Fiberglass is now introducing a new line of **CorBan Series 7100** filament wound FRP vinyl polyester composite pipe. The 7100 construction provides the optimum mix of the economy of the isophthalic polyesters, and the toughness and performance of the vinylesters. With **CorBan Series 7100**, you can truly have the "best of both worlds". Toughness to resist handling and installation damage, high tensile elongation, excellent strength, and outstanding high temperature performance are all synonymous with this new line of FRP composite pipe.

The **CorBan Series 7100** pipe is offered in pipe sizes 1" diameter through 96" diameter. A complete line of fittings, flanges, and bell and spigot O-ring joints are also available for use with **CorBan** pipe. You do not have to do anything different or special when installing **CorBan Series 7100** pipe; except to plan on saving money!

There is an old saying that "the proof is in the pudding". Return the attached fax request form and we will send you a short length of our **CorBan** vinyl polyester pipe for you to "beat on" with a hammer or mallet. Then, try the same test on your current isophthalic polyester cooling water pipe. See for yourself how this new resin technology can provide *your* customers a superior piping product, at a lower cost. This new vinyl polyester FRP pipe resin system represents a real technology breakthrough for the new millennium!