



## **"Breakthrough" Lowers Cost and Improves Performance of FRP Composite Pipe for Water Service Environments**

Fiber reinforced plastic (FRP) composite pipe has been successfully used for many years for the transporting and distribution of fresh, sea, industrial processing, and cooling water. In fact, for many of these service environments FRP composite pipe has long been the material of choice. Light weight, corrosion resistance, ease of repair and maintenance, and versatility have all been major advantages of FRP composite pipe for the handling of all types of "water" service.

With the introduction of the CorBan (corrosion banning) series of pipe - Industrial Fiberglass has now made that selection of FRP composite pipe even easier, and more economical. Working with Reichhold Chemical, the world's largest manufacturer of resins for composites, we have developed a new "vinyl polyester" resin matrix system for FRP composite pipe - specifically designed for water piping.

If cost were not a consideration, all FRP composite 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 resin are not cheap.

As a result, in the past, most FRP pipe for handling water 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.

CorBan filament wound Series 7100 vinyl polyester composite pipe provides the optimum mix of the economy of the isophthalic polyesters, and the toughness and performance of the vinylesters. With CorBan, 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 CorBan FRP composite pipe.

CorBan pipe is offered in pipe sizes 1" diameter through 84" diameter. A complete line of fittings, flanges, and bell and spigot gasketed joints are also available for use with CorBan pipe. You do not have to do anything different or special when installing CorBan pipe; except to plan on saving money!

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