

# Learning about SolarGuard® Convinced Us To Switch to Stahlin Non-Metallic Composite Enclosures

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For more than 25 years Ferguson Beauregard has been in the forefront of innovative solutions for oil and gas production technology, ranging from self-contained plunger lift systems and electronic controllers to fully integrated remotely managed production systems. As a company, we are always looking for new ways to produce a better product at a reduced cost. Consequently, when we began the process of re-evaluating our existing line of metallic enclosures used to house and protect our controls, we became very interested in exploring the benefits of non-metallic composite products offered by Stahlin Non-Metallic Enclosures.

The suggestion of possibly converting to non-metals faced real challenges within Ferguson Beauregard because once before we had tried unsuccessfully to switch from a stainless steel enclosure to a composite enclosure. The earlier effort to convert failed because even though we were saving money the integrity of the non-metallic option was compromised by degradation caused by exposure to UV radiation. As a result, many of our customers return the enclosure after a short time in the field. It was not practical to repair these returned enclosures, so ultimately we returned to stainless steel.

As we studied Stahlin's product line, however, we quickly became aware that significant improvements in the formulation of fiberglass compounds now reliably resist the damage caused by UV. Yet, we still felt we needed more proof. To further our ability to make a knowledge-based decision we decided to attend Stahlin Boot Camp --- the only nationally recognized educational program developed specifically to provide a comprehensive understanding of electrical enclosure technologies, enhanced corrosion prevention and detailed insights into the successful applications of non-metallic enclosures.

## **Stahlin Boot Camp: Learning about SolarGuard®**

While at Stahlin Boot Camp we became convinced that a formulation --- Patented SolarGuard® --- now exists that would allow us to save money by using non-metallic composite enclosures --- and also benefit from superior UV protection.

SolarGuard is a patented, double-protection formulation technology that significantly enhances the molecular bond strength and cross-linking that occurs during the curing process in thermosetting polyester sheet molding compounds (SMC). Stahlin's SolarGuard system provides additional protection with a unique additive that fights polymer degradation by making it more difficult for UV light to attack molecular bonds of both primary molecular chains and cross-links of the resin matrix.

SolarGuard was developed specifically to beat the effects of outdoor enclosure exposure plus provide superior chemical and flame resistance. SolarGuard requires less maintenance than paint, wax or gel-

coat alternatives used to prolong the life of electrical enclosures in outdoor environments.



### **Ferguson Beauregard Made the Switch to Stahlin Non-Metallic Composite Enclosures**

We currently are using Stahlin's modified J series (1210) and modified DiamondShield (1816) enclosures to house our controls. By switching to non-metallic composite enclosure molded exclusively from SolarGuard we are able to save our customers money and still able to continue to provide an enclosure that performs effectively even while exposed to UV light.

<http://www.fergusonbeauregard.com/>

For information on Stahlin's products, services and Bootcamp registration, please visit:  
[www.stahlin.com](http://www.stahlin.com)