

U.S. Composite Pipe South Promoting Use of Advantex® E-CR Glass

Corrosion-resistant boron-free glass among the benefits used to differentiate USCPS products in the marketplace

Composite Pipe Processes

- Filament winding
- Continuously advancing mandrel

Matrix and Reinforcement

- Polyester resin
- SE 1200 single-end roving

Principal Markets

- Water and sewage
- Industrial
- Hydro power and penstock applications



U.S. Composite Pipe South has a renewed appreciation for one of its key raw material components, namely Advantex® E-CR glass from OCV™ Reinforcements. USCPS has added the advantage of using Advantex® E-CR glass to the list of many other benefits provided by their product range.

“We have been using Advantex® glass but we are now consciously espousing and marketing the benefits of Advantex® E-CR glass as opposed to the regular E-type glass used by many of our competitors,” said Detlev Schlorke, general manager of U.S. Composite Pipe South, LLC.

“The corrosion-resistant characteristics of Advantex E-CR glass and the benefits to the long term performance of our pipes in sewer applications ensures that we meet stringent industry standards and provide our customers with a unique solution,” he continued. “The Fiberglass Tank and Pipe Institute has additional references to E-CR glass as it relates to corrosion resistance in sewer applications.

“To help our customers understand how Advantex® glass helps FRP/GRP pipe resist corrosion, our engineers have enlisted the help of OCV Reinforcements representatives to educate and promote the benefits of Advantex® E-CR glass and review the rigorous testing performed on the product,” added Schlorke. “The resulting technical advantages to the customer from using Advantex® E-CR glass can be seen in many applications throughout the composites industry.”

CASE STUDY



Located in Zachary, Louisiana, U.S. Composite Pipe South has been part of the KTI Group of companies since February 2008. The owners of KTI, Inc. have been in the construction industry and concrete pipe business for more than 30 years and have succeeded by combining the best product quality with outstanding customer service to build and sustain a loyal customer base. U.S. Composite Pipe South sells most of its products in the U.S. and exports to neighboring countries.

Schlörke believes the composite pipe market is gaining traction in North America. “The market for FRP/GRP is gaining momentum as engineers seek sound long-term technical benefits and gain an appreciation of the phenomenal track record FRP/GRP has throughout the world,” he explained. “There are many aging piping systems throughout North America that will need to be repaired or replaced. The sustainability benefits of FRP/GRP – long-term corrosion resistance and lower energy footprint – are becoming well recognized throughout the market.”

“The opportunity for corrosion-resistant FRP/GRP pipe in 2010 and beyond looks very promising,” he added.

Contacts

U.S. Composite Pipe South, LLC

18585 Samuels Road
Zachary, LA 70791
Phone: (225) 658-6166
E-mail: cdanielson@ktircp.com
www.uscpsouth.com

Owens Corning Advantex® glass:

www.owenscorning.com/composites/aboutAdvantex.asp
Advantex.americas@owenscorning.com
Advantex.europe@owenscorning.com
Advantex.asiap@owenscorning.com



OCV Reinforcements

OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com



OCV Technical Fabrics

EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11



OCV Non-Woven Technologies

OWENS CORNING – OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS
OLIVE L.V.O. MANSION, 2ND FLOOR
620 HUASHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.