

Michael G. Stevens
Principal Scientist
Ashland Performance Materials

Proper Design of FRP Equipment Using Corrosion-Resistant Resins

Many resins are available for making FRP equipment. Choosing the correct resin and corrosion barrier is critical to having a successful application. An overview of the current resin chemistries will be given and the procedures used to determine what environments the resins are suitable. The information needed to make resin and corrosion barrier recommendation for an application will also be discussed.

Biography:

Michael G. Stevens is currently a Principal Scientist in the Ashland Performance Materials commercial unit of Ashland Inc. His responsibilities include handling technical support and development of corrosion resistant and fire retardant resin systems. He has worked for Ashland Inc. for 28 years. During this time he worked on various projects developing new fire retardant and corrosion resistant resins for use in the fiberglass reinforced polymer markets. Before joining Ashland in 1985, Mr. Stevens worked for Dow Chemical in epoxy resin and vinyl ester resin research. Mr. Stevens obtained his BS degree in chemistry from Virginia Tech in 1979. Undergraduate research was conducted under the guidance of Professor James McGrath in polymer chemistry. He is Vice Chairman of the NACE STG-10 "Nonmetallic Materials of Construction" committee and past Chairman of the TEG 191 Managing Corrosion with Polymers Symposium for NACE Corrosion 2012. He is also a member of the Technical Committee of ACMA and ACMA IBC working group. He has 3 US patents and numerous publications including 2 book chapters.