



## Glassfibre Reinforced Concrete: Principles, Production, Properties and Applications (Hardback)

By Peter J. M. Bartos

Whittles Publishing, United Kingdom, 2017. Hardback. Condition: New. Language: English . Brand New Book. Glassfibre reinforced concrete (GRC) is the most complex material widely used in current construction practice. It is an unusual composite, in which both the matrix and the reinforcement themselves are composites. This book provides guidance on the properties, its specification, testing and the latest methods for efficient production. Detailed information is presented about the unique aspects of the internal structure and fracture mechanisms of GRC and how the latest advances in nanotechnology are leading towards a fuller understanding of the rational design of GRC and the potential for further improvement of properties beyond those used in contemporary construction practice. GRC is already firmly established as the high-tech material of choice for architects and designers and recent decades have witnessed a rapid increase in production of GRC world-wide. However, to provide the full picture and encompass the most recent developments in GRC and how it can be exploited in major projects, a substantial part of the book is made up of case studies. GRC has been always a very versatile material; however, its range of practical applications has grown significantly. From small, simple items (flowerpots, drainage channels, window sills,...



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