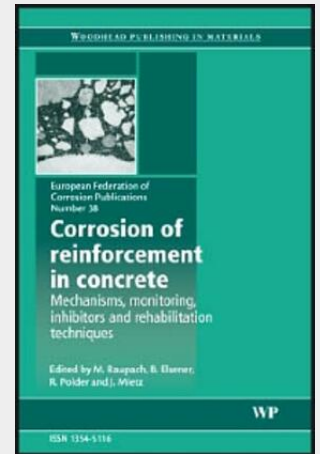


Corrosion of Reinforcement in Concrete, Volume 38: Monitoring, Prevention and Rehabilitation Techniques

Given the widespread use of reinforced concrete in infrastructure, understanding the corrosion of this material is of major importance. As a result there has been a wealth of research into catalysts, inhibitors and effective means of monitoring the rate of corrosion. Corrosion of reinforcement in concrete: mechanisms, monitoring, inhibitors and rehabilitation techniques summarises some of the most significant research and its implications. The book begins by reviewing findings from various experiments designed to test the corrosion rate of metals induced by a range of factors. Later chapters discuss techniques for monitoring and testing for corrosion. The book concludes by assessing important methods of prevention, including corrosion inhibitors, protective coatings and electrochemical methods for protection, together with rehabilitation procedures for susceptible structures. Filled with practical examples and written by a distinguished team of international contributors, Corrosion of reinforcement in concrete: mechanisms, monitoring, inhibitors and rehabilitation techniques is an essential reference for civil engineers using reinforced concrete.



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