

1. Record Nr.	UNINA9910787583003321
Titolo	Cathodic protection of steel in concrete and masonry // edited by Paul M. Chess, John P. Broomfield
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2014] ©2014
ISBN	0-429-22426-5 0-415-39503-8
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (250 p.)
Collana	Concrete technology Cathodic protection of steel in concrete and masonry
Disciplina	620.1/37 620.137
Soggetti	Reinforcing bars - Corrosion Reinforcing bars - Cathodic protection Reinforced concrete - Cathodic protection
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Revised edition of: Cathodic protection of steel in concrete. c1998.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Editors; Contributors; Chapter 1: Corrosion in reinforced concrete structures; Chapter 2: Corrosion in masonry structures; Chapter 3: Site appraisal to enable efficient cathodic protection design; Chapter 4: Cathodic protection mechanism and a review of criteria; Chapter 5: History and principles of cathodic protection for reinforced concrete; Chapter 6: Immersed cathodic protection design; Chapter 7: Design of a cathodic protection system for exposed reinforced concrete structures; Chapter 8: Design of a cathodic protection system for masonry Chapter 9: Design of cathodic protection systems for new reinforced concrete structures Chapter 10: Power supplies; Chapter 11: Monitoring cathodic protection in concrete and masonry structures; Chapter 12: Case studies of cathodic protection installations; Chapter 13: Economic aspects; Back Cover
Sommario/riassunto	Revised and updated, this second edition of Cathodic Protection of Steel in Concrete and Masonry covers both reinforced concrete and masonry structures, describes in detail the overall design factors

involved in cathodic protection (CP), and also provides a theoretical basis for why it works. It refers to the new European standard EN 12696 for cathodic protection where relevant. What's new in the Second Edition: Updates techniques and methods Includes applications to new materials, and new examples Considers the virtue
