

20% Discount with Discount Code.

3RD EDITION

Corrosion of Steel in Concrete

Understanding, Investigation and Repair

John P. Broomfield

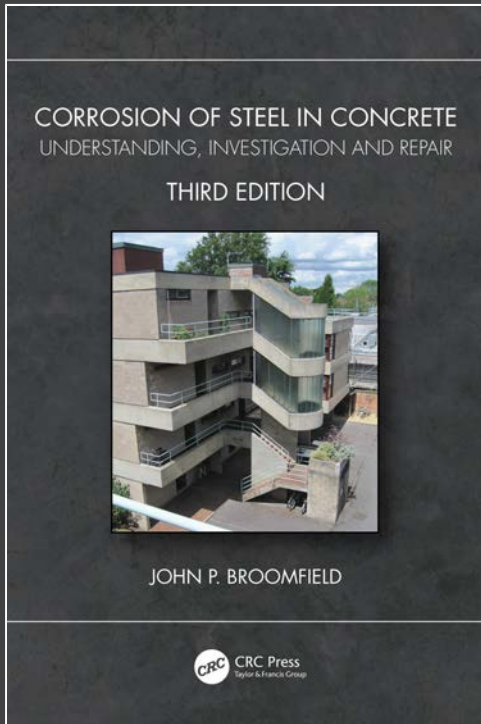
This guide for designing, constructing and maintaining reinforced concrete structures presents the basics of theory and practice in steel corrosion in concrete and reviews the latest research such as measurement of the threshold for chloride induced corrosion. This edition compares the many major national and international standards and guidance documents. It considers new developments such as hybrid anodes for electrochemical treatment and measurement of the chloride content of the concrete cover using ground penetrating radar, and outlines recent innovations in structural repair and construction and investigates their implications for durability.

20% Discount Available - enter the code AFL01 at checkout*

Hb: 978-1-032-12098-0 | £120.00

** Please note that this discount code cannot be used in conjunction with any other offer or discount and only applies to books purchased directly via www.routledge.com. This code expires on 31 March 2023.*

For more details, or to request a copy for review, please contact: <https://m.email.taylorandfrancis.com/review-copy-request-form>



January 2023: 304pp
102 illustrations

Hb: 978-1-032-12098-0 | £150.00
eBook: 978-1-003-22301-6

TABLE OF CONTENTS:

1. Introduction.
 2. Corrosion of Steel in Concrete.
 3. Causes and Mechanisms of Corrosion in Concrete.
 4. Condition Evaluation.
 5. Corrosion Monitoring.
 6. Physical and Chemical Repair and Rehabilitation Techniques.
 7. Electrochemical Repair Techniques.
 8. Rehabilitation Methodology.
 9. Modeling and Calculating Corrosion, Deterioration and Life Cycle Costing of Reinforced Concrete Structures.
 10. Design for Durability.
 1. Sustainability and Future Developments.
- Appendix: Sources of information on corrosion of steel in concrete



Taylor & Francis Group
an informa business

Request a **FREE Trial**:
support@taylorfrancis.com

Taylor & Francis eBooks

A single platform containing 90,000+ eBooks of award-winning academic content spanning humanities, social science, science, technology, engineering, and medical.

A streamlined experience for library customers

A single point of discovery for our eBook content

Access books & book chapters (PDFs available for download)

A dashboard with data visualization of usage, denials, and much more

Learn more by visiting www.taylorfrancis.com

CHOOSE **open** BOOKS

Explore our open access books and chapters. Open content is free to read online by clicking on the book title.

Discover open content across all subject areas at www.taylorfrancis.com

Looking to publish your next book or chapter open access?

Get in contact with our Taylor & Francis Open Access Books Team oabooks@tandf.co.uk

All print books published by Taylor & Francis are certified CarbonNeutral® publications in accordance with The CarbonNeutral Protocol, an industry leading framework for carbon neutrality. The emissions from the manufacturing, packaging, and distribution of our books are calculated and offset through the purchase of third-party verified carbon offsets.



Find out more about sustainability at Taylor & Francis, visit <https://taylorandfrancis.com/about/corporate-responsibility>

What is eBook+?

eBook+ is the enhancement of content in our eBooks with additional interactive features to provide added value and a better user experience.

To know more about publishing an eBook+ with us, contact: www.routledge.com/contacts/editorial.

Experience interactive learning with us at www.routledge.com/our-products/ebookplus



FREE STANDARD SHIPPING on all orders placed on www.routledge.com

Order your books today...

All of our books are available to order direct. Alternatively, contact your regular supplier.

If you are in
**US/Canada/
Latin America:**

Telephone: Toll Free 1-800-634-7064 (Mon-Thu: 8:30am-5:30pm, Fri: 8:30am-5:00pm EST) • E-mail: orders@taylorandfrancis.com

Sales Tax/GST: Please add local sales tax if applicable in your state. Canadian residents please add 5% GST.

Postage

US:

Ground: \$5.99 1st book; \$1.99 for each additional book

2-Day: \$9.99 1st book; \$1.99 for each additional book

Next Day: \$29.99 1st book; \$1.99 for each additional book

CANADA:

Ground: \$7.99 1st book; \$1.99 for each additional book

Expedited: \$15.99 1st book; \$1.99 for each additional book

LATIN AMERICA:

Airmail: \$44.00 1st book; \$7.00 for each additional book

Surface: \$17.00 1st book; \$2.99 for each additional book

If you are in
**UK/
Rest of World:**

Telephone: +44 (0) 1235 400524 • Fax: +44 (0) 1235 400525 • E-mail: tandf@bookpoint.co.uk

**We only guarantee next day delivery for orders received before noon.*

Postage

UK: 5% of total order

(£1 min charge, £10 max charge). Next day delivery +£6.50*

EUROPE: 10% of total order

(£2.95 min charge, £20 max charge). Next day delivery +£6.50*

REST OF WORLD: 15% of total order

(£6.50 min charge, £30 max charge).

Library Recommendation

Ensure your library has access to the latest publications. Contact your librarian with details of the books you need and ask them to order a copy for your library.

Complimentary Exam Copy Request

To order a complimentary exam copy, please visit: <https://routledge.pub/InspectionCopies>

Prices and publication dates are correct at time of going to press, but may be subject to change without notice.

Want to be the first to hear about new offers and exclusives?

Sign up to our mailing list at www.routledge.com/contacts/eupdates

Our publishing program continues to expand so please visit www.routledge.com to stay up-to-date.