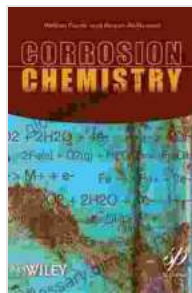


Corrosion Chemistry: The Science and Technology of Metal Corrosion in Construction Materials

Corrosion is a major problem for infrastructure and industrial facilities, costing billions of dollars in damage and repairs each year. Metal corrosion is a particularly serious problem, as metals are used in a wide variety of construction applications, including bridges, buildings, pipelines, and storage tanks.



Corrosion Chemistry by Volkan Cicek

★★★★★ 5 out of 5

Language	: English
File size	: 1036 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 193 pages
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Paperback	: 212 pages
Item Weight	: 10.6 ounces
Dimensions	: 6.1 x 0.5 x 9.25 inches



Corrosion Chemistry: The Science and Technology of Metal Corrosion in Construction Materials is a comprehensive reference for engineers and researchers engaged in the design, construction, and maintenance of infrastructure and industrial facilities. The book provides a fundamental understanding of the electrochemical principles and mechanisms

underlying metal corrosion, and explores the latest advances in corrosion prevention and control methods.

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* Chapter 1: to Corrosion * Chapter 2: Electrochemical Principles of Corrosion * Chapter 3: Mechanisms of Metal Corrosion * Chapter 4: Corrosion of Construction Materials * Chapter 5: Corrosion Prevention and Control Methods * Chapter 6: Case Studies of Metal Corrosion in Construction Materials

About the Author

Volkan Cicek is a professor of corrosion engineering at the University of California, Berkeley. He is a leading expert in the field of corrosion science and technology, and has published over 100 papers in peer-reviewed journals. Dr. Cicek is also the author of several books on corrosion, including Corrosion Engineering and Corrosion Control.

Reviews

"Corrosion Chemistry: The Science and Technology of Metal Corrosion in Construction Materials is a valuable resource for engineers and researchers engaged in the design, construction, and maintenance of infrastructure and industrial facilities. The book provides a comprehensive overview of the electrochemical principles and mechanisms underlying metal corrosion, and explores the latest advances in corrosion prevention and control methods."

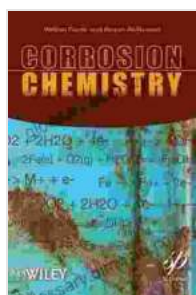
- Dr. Robert Baboian, P.E., F.NACE, Corrpro Companies, Inc.

"Corrosion Chemistry: The Science and Technology of Metal Corrosion in Construction Materials is a must-read for anyone involved in the design, construction, or maintenance of infrastructure and industrial facilities. The book provides a wealth of information on the causes and prevention of metal corrosion, and is an essential resource for engineers and researchers."

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