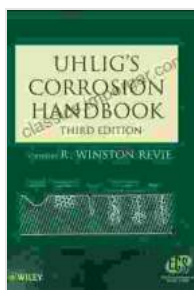


Uhlig's Corrosion Handbook: The Ecs Of Texts And Monographs 51

Uhlig's Corrosion Handbook is the most comprehensive and authoritative reference on the subject of corrosion. It covers all aspects of corrosion, from the basic principles to the latest advances in corrosion prevention and control.



Uhlig's Corrosion Handbook (The ECS Series of Texts and Monographs 51) by Amy E. Guptill

★★★★☆ 4.4 out of 5

Language	: English
File size	: 44001 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 2664 pages
Lending	: Enabled
X-Ray for textbooks	: Enabled



The handbook is divided into five parts:

1. **Fundamentals of Corrosion**
2. **Corrosion of Metals**
3. **Corrosion of Nonmetals**
4. **Corrosion Prevention and Control**
5. **Corrosion Testing and Evaluation**

Part 1 provides a comprehensive overview of the basic principles of corrosion. It covers the fundamentals of electrochemistry, thermodynamics, and kinetics. It also discusses the different types of corrosion cells and the factors that affect the rate of corrosion.

Part 2 covers the corrosion of metals. It discusses the different types of metals and their susceptibility to corrosion. It also discusses the different mechanisms of corrosion and the factors that affect the rate of corrosion.

Part 3 covers the corrosion of nonmetals. It discusses the different types of nonmetals and their susceptibility to corrosion. It also discusses the different mechanisms of corrosion and the factors that affect the rate of corrosion.

Part 4 covers corrosion prevention and control. It discusses the different methods of corrosion prevention and control, including cathodic protection, anodic protection, and coatings. It also discusses the different factors that affect the effectiveness of corrosion prevention and control methods.

Part 5 covers corrosion testing and evaluation. It discusses the different methods of corrosion testing and evaluation, including electrochemical methods, surface analysis methods, and mechanical testing methods. It also discusses the different factors that affect the accuracy and reliability of corrosion testing and evaluation methods.

Uhlig's Corrosion Handbook is an essential reference for anyone who needs to understand and prevent corrosion. It is a valuable resource for engineers, scientists, researchers, and students.

Benefits of Uhlig's Corrosion Handbook

- Provides a comprehensive overview of the basic principles of corrosion
- Covers the corrosion of metals, nonmetals, and coatings
- Discusses the different methods of corrosion prevention and control
- Includes a chapter on corrosion testing and evaluation
- Written by a team of experts in the field of corrosion

Who Should Read Uhlig's Corrosion Handbook?

Uhlig's Corrosion Handbook is essential reading for anyone who needs to understand and prevent corrosion. It is a valuable resource for engineers, scientists, researchers, and students.

If you are involved in any of the following fields, you should read Uhlig's Corrosion Handbook:

- **Materials science and engineering**
- **Chemical engineering**
- **Mechanical engineering**
- **Civil engineering**
- **Corrosion science**
- **Electrochemistry**
- **Materials testing**
- **Failure analysis**

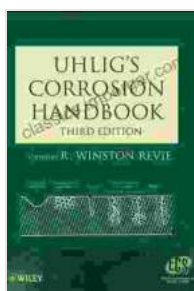
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