

European Federation
of Corrosion
Publications

Number 30

**SURVEY OF
LITERATURE ON
CREVICE CORROSION
(1979-1998)**

*Mechanisms, Test Methods and Results,
Practical Experience,
Protective Measures and Monitoring*

F. P. IJsseling



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Survey Of Literature On Crevice Corrosion 19791998

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Arthur James Wells



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The Progress in Corrosion - The First 50 Years of the EFC Paul McIntyre, 2024-11-15 This book focuses on developments during the first fifty years of existence of the European Federation of Corrosion and describes the contributions made by its working parties

Understanding Biocorrosion T Liengen, R Basseguy, Damien Feron, I Beech, V Birrien, 2014-11-14 Biocorrosion refers to corrosion influenced by bacteria adhering to surfaces in biofilms Biocorrosion is a major problem in areas such as cooling systems and marine structures where biofilms can develop This book summarises key recent research in this subject Part one looks at theories of biocorrosion and measurement techniques Part two discusses how bacteria and biofilms result in biocorrosion The final part of the book includes case studies of biocorrosion in areas as diverse as buildings fuels marine environments and cooling systems Provides a detailed overview of biocorrosion and the different scientific and or industrial problems related to microbially induced corrosion Introduces a variety of investigative techniques and methodologies that are employed in diagnosing and evaluating microbially induced corrosion Includes case studies on biodeterioration of building materials biocorrosion issues associated with diesel and biofuels marine biocorrosion corrosion of open recirculating cooling water systems and cooling system components the effect of H₂S on steel corrosion

Prediction of Long Term Corrosion Behaviour in Nuclear Waste Systems EFC 36 Damien Feron, 2024-11-01 Papers presented on prediction of long term corrosion behaviour in nuclear waste systems EFC Issue 36

A Working Party Report on Corrosion Resistant Alloys for Oil and Gas Production European Federation of Corrosion, 2002 A revised and updated set of guidelines applicable to stainless steels nickel alloys and titanium alloys covering SSC SCC test procedures reference environments for SSC and SCC testing guidance on autoclave testing of CRAs procedures for testing CRAs exposed to sulphur and H₂S

Marine Corrosion of Stainless Steels European Federation of Corrosion, 2001 Annotation CONTENTS Superaustenitic and duplex stainless steels Testing and experience including desalination Weld overlays and plate heat exchangers and protection and monitoring including cathodic protection and acoustic emission

Corrosion of Metallic Heritage Artefacts P Dillmann, 2007-03-21 This work is broken down into four parts The first provides an overview the second covers the mechanisms of corrosion measurement and prediction techniques the third analyses archaeological finds and part four focuses on monitoring and conservation

Local Probe Techniques for Corrosion Research R Oltra, 2007-03-09 This text contains chapters on SVET local analysis of aerobic corrosion studying delamination of organic coatings using local electrical impedance analysis of pitting corrosion using STM and AFM analysing atmospheric

corrosion of low alloy steels and more The British National Bibliography Arthur James Wells,2000 *A Working Party Report on the Use of Corrosion Inhibitors in Oil and Gas Production* J. W. Palmer,W. Hedges,J. L. Dawson,2004 This practical industry oriented guide has been compiled to meet the needs of personnel employed by operators design engineers contractors and chemical suppliers working in the oil and gas industry The document draws on the experience of specialists employed in various organisations and incorporates appropriate industry and in company guidelines Both technical and management issues are addressed and key points are provided at the end of each chapter to aid in the assimilation of the many and varied aspects that contribute to successful corrosion inhibition **BOOK JACKET** *Corrosion of Reinforcement in Concrete* J. Mietz,R. Polder,Bernhard Elsener,2000 This book compiles the full papers presented in the successful session Corrosion of Steel in Concrete at EUROCORR 97 It highlights the areas of technical development in this field including monitoring of steel reinforcement corrosion prevention of corrosion and electrochemical repair methods **Corrosion Inhibitors for Steel in Concrete** Bernhard Elsener,2001 The use of inhibitors for rehabilitation of reinforced concrete structures is a new field of application and this new volume provides a State of the Art Report on this subject Corrosion of steel in concrete is one of the major problems for infrastructure such as bridges tunnels housing etc since it leads to spalling of the concrete and loss in cross section of the steel that may cause structural and safety problems The steel in concrete generally resists corrosion as a result of a passive layer that develops on the metal surface in the alkaline environment of the concrete Corrosion can occur if these conditions are disturbed for example in the presence of chlorides or with carbonation of concrete Traditional repair methods consist in removing the deteriorated concrete and replacing it but these can be laborious noisy and very costly To avoid these disadvantages new methods have been developed in recent years These include electrochemical procedures and increasingly the use of inhibitors The use of inhibitors for rehabilitation of reinforced concrete structures is a new field of application and this new volume provides a State of the Art Report on this subject The report under the editorship of Prof Bernhard Elsener was prepared by a Task Group of the EFC Working Party on Corrosion of Reinforcement in Concrete In a literature review it describes inorganic and organic chemicals that have been proposed and examined as well as the commercial corrosion inhibitors that are available on the market Protection mechanism and possible effects of inhibitors on concrete properties are described Practical experience with inhibitors for steel in concrete and the long term effectiveness are considered The various test methods for evaluating the behaviour of the inhibitors are described and critically assessed In a rapidly evolving field this State of the Art Report based mainly on independent not commercial literature will be of value to corrosion engineers and civil engineers concerned with maintenance and repair of reinforced concrete structures *The Progress in Corrosion - The First 50 Years of the EFC* Paul McIntyre,2024-11-15 This book focuses on developments during the first fifty years of existence of the European Federation of Corrosion and describes the contributions made by its working parties *European Federation of Corrosion Publications* ,1990 **Progress in**

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