

FERROCEMENT AND LAMINATED CEMENTITIOUS COMPOSITES

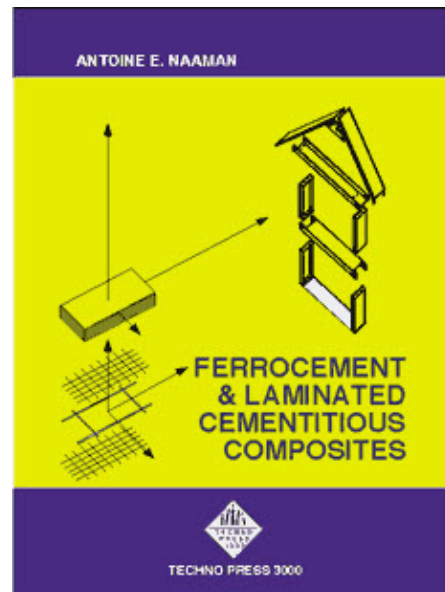
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Note: This book and the 3rd Edition of the Prestressed Concrete book sell for only \$ 175 for the set.

Contents

Preface

Acknowledgments

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- Chapter 1** Introduction to Ferrocement
Chapter 2 Mechanical Properties of Ferrocement as Observed From Tests
Chapter 3 Modeling the Tensile Response of Ferrocement and Other Brittle Matrix Composites with Continuous Fibers
Chapter 4 Analysis and Design of Ferrocement in Bending
Chapter 5 Practical Design Guidelines
Chapter 6 Construction/Fabrication of Ferrocement
Chapter 7 Testing for Reinforcement and Composite Properties
Chapter 8 Cost Estimates of Typical Ferrocement Composites
Chapter 9 Ferrocement in Housing and Other Related Applications
Chapter 10 Advanced Materials and Concepts
Chapter 11 Prospects for Ferrocement Materials, Applications and Technology
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Appendix A: Notation

Appendix B: Unit Conversions

Appendix C: References

Appendix D: Standard Meshes, Wires and Bars

Appendix E: Common Formulas for Beams

Index

Chapter 1 INTRODUCTION TO FERROCEMENT

Ferrocement: Definition and Historical Background / Introduction / Definition by ACI Committee 549 / Suggested Revised Definition / Applications of Ferrocement - Marine - Terrestrial - Repair and Rehabilitation / Constituent Materials of Ferrocement - Cement Based Matrix: Composition and Compressive Strength - Skeletal Steel - Mesh Reinforcement / Distinct Characteristics of Ferrocement

versus Reinforced Concrete - Physical - Mechanical - Processing / Manufacturing - Maintenance and Repair / Similarities Between Ferrocement and Reinforced Concrete/ Volume Fraction of Reinforcement - Square or Rectangular Meshes - Example: Square Mesh - Any Mesh - Example: Expanded Metal Mesh - FRP Meshes - Example: FRP Mesh / Specific Surface of Reinforcement - Example: Reinforced Concrete versus Ferrocement / Distinctive Behavior of Ferrocement in Tension - Cracking and Multiple Cracking Behavior - Maximum Elongation at Failure - Stress at First Cracking - Influence of Specific Surface of Reinforcement / Apparent Modulus of the Mesh System / Ferrocement: a Composite and a Member of the Structural Concrete Family / Ferrocement versus Fiber Reinforced Polymeric Composites / Ferrocement as a Laminated Composite / Advantages of Ferrocement as a Construction Material.

Chapter 2 MECHANICAL PROPERTIES OF FERROCEMENT AS OBSERVED FROM TESTS

Introduction / Tensile Properties / First Cracking / Elastic Modulus In Tension / Uncracked Member / Cracked Member / Bending - Typical Behavior - Observations and Conclusions / Fatigue under Bending / Shear / Design for Shear / Compression / Impact – Impermeability / Leakage / Fire Resistance / Durability / Criteria for Selection and Use of Ferrocement.

Chapter 3 MODELING THE TENSILE RESPONSE OF FERROCEMENT AND OTHER BRITTLE MATRIX COMPOSITES WITH CONTINUOUS FIBERS

General Assumptions and Notation / Uncracked Tensile Member: Basic Mechanisms and Modeling / Stresses in Fiber and Matrix within Transition Length - Distance at which Equal Strains Occur: Transfer Distance - Stresses in Matrix and Reinforcement beyond the Transfer Distance - Load and Stresses at First Matrix Cracking - Minimum Volume Fraction of Reinforcement / Example: Uncracked Tensile Member - SI System - US System / Cracked Tensile Member: Basic Mechanisms and Modeling - Stresses in Matrix and Reinforcement at a Cracked Section - Stresses Between Two Cracks - Stresses at Yield and Ultimate - Minimum, Maximum, and Average Crack Spacing - Average Stress in Reinforcement and Matrix - Average Crack Width / Example: Cracked Ferrocement Tensile Member - SI System - US System / Experimental Observations Supporting Cracking Theory / Maximum Crack Width In Ferrocement Tensile Elements: ACI Guide Approach - US System - SI System - Example: Crack Width Using ACI Recommended Method / Elastic Modulus: Cracked and Uncracked Member - Uncracked Member - Upper Bound Solution - Cracked Member: Absolute Lower Bound Solution - Cracked Member: Suggested Approximate General Solution / Example: Prediction of Composite Stress-Strain Response - SI System - US System / Basic Properties as Random Variables / Particular Remarks for Ferrocement.

Chapter 4 ANALYSIS AND DESIGN OF FERROCEMENT IN BENDING

Notation / Differences in the Analysis/Design of Ferrocement with Conventional Reinforced Concrete / Proposed Remedies / Effective Area of Reinforcement / Typical Moment-Curvature Response / Analysis Methods for Bending under Service Loads - Flexure Formula: Uncracked Section - Transformed Area Method for the Cracked Section - Equilibrium and Compatibility Method for the Cracked Section - Moment versus Deflection Curve / Example: Cracked Section by the Transformed Area Method (SI System) - Welded Wire Mesh Reinforcement - Expanded Steel Mesh Reinforcement / Example: Cracked Section by the Transformed Area Method (US System) - Welded Wire Mesh Reinforcement - Expanded Steel Mesh Reinforcement / Analysis Methods for Nominal Bending Resistance - Compatibility Method Similar to Reinforced Concrete Columns - Example: M_n by the Compatibility Method (SI System) - Simplified Method Based on All Tensile Reinforcement Yielding - Example: M_n Assuming All Tensile Reinforcement Yielding (SI System) - Simplified Method Using Plastic Moment - Example: M_n Using Plastic Moment (SI System) - Simplified Method Using Design Chart or Prediction Equation - Example: M_n Using Prediction Equation (SI System) - Remarks on the Use of Simplified Methods / Additional Examples of Nominal Bending Resistance Using the Simplified Methods (SI System) - Using the Plastic Moment Approach - Using the Design Chart or Prediction Equation Approach - Using the All Tensile Reinforcement Yields Approach / Predictions of Crack Widths in Bending - Static or Monotonic Loading - Cyclic Fatigue Loading - Example: Crack Width in Bending / Equivalent Elastic Bending Strength (MOR) and Correlation with Tensile Strength - Modulus of Rupture (MOR) - Example: MOR Using Prediction Equation (SI System) - MOR versus Tensile Strength - Example: Ratio of Bending to Tensile Strength / Computation of Deflections - Deflection of Simply Supported Uncracked and Cracked Beams - Moment Deflection Relation /

Concluding Remarks.

Chapter 5 PRACTICAL DESIGN GUIDELINES

Design Philosophy / General Design Approaches - USD, LSD, or LRFD - WSD or ASD / Design Approaches Applied to Ferrocement / Practical Design Guidelines to Insure Good Serviceability - Allowable Stresses under Maximum Service Load - Maximum Crack Width - Fatigue Life - Durability and Corrosion - Deflection Limitations / Practical Design Parameters for Ferrocement / Guidelines for Good Construction / Design Example: Tensile Element - Water Tank Wall / Design Example: Bending Element - Floor Sandwich Panel / Concluding Remarks

Chapter 6 CONSTRUCTION - FABRICATION OF FERROCEMENT

Introduction / Mortar Placement / Construction Methods - Skeletal Armature Method - Closed Mold Method - Integral Mold Method - Open Mold Method / Special Manufacturing Techniques / Ferrocement Element versus Structure / Protective Surface Treatments / Current Reaches with and Notable Structures of Ferrocement.

Chapter 7 TESTING FOR REINFORCEMENT AND COMPOSITE PROPERTIES

Introduction / Recommended Tests - Compressive Strength and Static Modulus of Elasticity of Mortar - Tensile Test of the Mesh Reinforcement - Tensile Test of Ferrocement - Bending Test of Ferrocement / Efficiency Factor of Reinforcement - h_o from Direct Tensile Tests - h_o from Bending Tests with One Layer of Mesh - h_o from Bending Tests with Several Layers of Mesh - Discussion Related to s_{ry} and E_r - Test Sequence / Recommended Values for h_o , s_{ry} and E_r / Example of Computation of E_r , h_L , and s_{ru} from a Tensile Test / Example of Computation of Mesh Yield Strength, s_{ry} - Using a Composite Tensile Test - Using a Composite Bending Test / Example of Computation of Mesh Elastic Modulus from a Bending Test.

Chapter 8 COST ESTIMATES OF TYPICAL FERROCEMENT COMPOSITES

Introduction / Description of Cost Survey / Comparative Cost Results / Building and Construction Cost Indexes - Definition - Cost Correlation to the Present - Relative Importance of Labor and Materials Costs / Examples of Gross Cost Estimates Based on Past Experience / Remarks on Cost Reduction Measures

Chapter 9 FERROCEMENT IN HOUSING AND RELATED APPLICATIONS

Introduction / Background: Ferrocement Housing Systems / Example of Ferrocement Panelized Housing System / System Criteria - Basis of Study- Panel System Developed - Types of Joints or Connections - Shear Type Joint - Moment Type Joint / Ferrocement Sandwich Panels / Manufactured Housing: Engineering Vision and Consumer's Dream / Monolithic Ferrocement Auditorium / Ferrocement Water Tanks / Sunscreens / Concluding Remarks

Chapter 10 ADVANCED MATERIALS AND CONCEPTS

Advanced or High Performance Materials // Fiber Reinforced Polymeric Meshes - Introduction - Significance - Advantages and Drawbacks - Type and Availability - Cost Considerations - Examples of FRP Meshes Tested - Test Parameters of Experimental Investigation - Typical Results - Influence of Number of Mesh Layers or V_r - Loading-Unloading Response - Effect of Production Process - Effect of Using Meshes with Low Elastic Modulus - Effect of Using a Fiber Mat - Conclusions on the Use of FRP Meshes with Conventional Cement Mortar Matrices // Hybrid Composites - Justification - Experimental Results - Effect of Adding Discontinuous Fibers with PVA Mesh - Effect of Adding Discontinuous Fibers with Carbon Mesh - Effect of Adding Discontinuous Fibers with Kevlar and Spectra Meshes - Conclusions on Using Hybrid Composites // Three-Dimensional (3-D) Meshes / Advanced Matrices - Inorganic Matrices - Concrete Polymer Composites // Self-Stressing Composites Motivation - Methods of Prestressing and Self-Stressing - Definition of Deformation Controlled Recovery Property (DCRP) - Why Self-Stressing Cementitious Composites and What Can Be Expected? - Advantages of Self-Stressing - Analytical Formulation - Typical Analytical Results - Experimental Results to Demonstrate the Concept / Concluding Remarks

Chapter 11 PROSPECTS FOR FERROCEMENT MATERIALS, APPLICATIONS, AND TECHNOLOGY

Research Trends in Construction Materials / Prospects for Ferrocement Materials, Applications and Technology

APPENDIX A: NOTATION

Notation: English Letters / Notation: Greek Letters / Abbreviations / Abbreviations for Professional Organizations\

APPENDIX B: UNIT CONVERSIONS

APPENDIX C: REFERENCES

General References - Symposia Proceedings on Ferrocement - Books - Background References - Sources of Information / References by Chapter // Close to 400 references in all.

APPENDIX D: STANDARD MESHES, WIRES AND BARS

APPENDIX E: COMMON FORMULAS FOR BEAMS

INDEX

REVIEWS:

"I have read almost everything written about ferrocement in the English language and can truthfully say: this book is the most comprehensive and authoritative treatment of ferrocement in existence."

Martin E. Iorns, *Industrial Engineer, Member Editorial Board of the Journal of Ferrocement.*

"Ferrocement and Laminated Cementitious Composites is a comprehensive source of information. The author has used his considerable expertise in giving a modern treatment to ferrocement. His emphasis on understanding the relationship between behavior, analysis and design is unique....The book offers perspectives and insights unparalleled in the existing literature on thin reinforced concrete products, and is an invaluable addition to the library of any professional involved in structural concrete."

Surendra P. Shah, *Water P. Murphy Professor of Civil Engineering, Northwestern University, and Director NSF Center for Advanced Cement Based Materials.*

"Indispensable book for engineers, architects, researchers, students and contractors interested in ferrocement and thin reinforced concrete products. The author has provided a much needed single source textbook that consolidates a broad coverage of information, whether on state-of-the-art, design, construction, cost, applications or future potential of ferrocement and hybrid composites."

Gordon B. Batson, *Emeritus Professor of Civil Engineering, Clarkson University, former Chairman ACI Committee on Ferrocement.*

"A unique and comprehensive treatise of laminated cement composites covering materials, fabrication techniques, analysis and design of structural components and systems, and including the

latest developments on high performance composites."

P.N. Balaguru, *Professor of Civil Engineering, Rutgers University, Former Chairman of ACI Committee 549 on Ferrocement.*

"It must certainly be the most comprehensive work in its field. Even sculptors, who may not understand the mathematics, can derive sculptural applications from the many excellent illustrations and verbal explanations and can learn the basics about how and where to place the steel."

Lynn Olson, *Sculptor, Clausen Lane, Valparaiso, Indiana.*

"This detailed and comprehensive book enables an appreciation to be made of ferrocement from theoretical and practical considerations. The many good examples of ferrocement are brought together indicating the undoubted range and breadth of the material and its potential uses which good design and implementation can bring about. It is an indispensable ferrocement companion."

Patrick J. Jennings, *Director of Engineering, NCL Stewart Scott Ltd., London, U.K.*

"This book is indeed the finest and most comprehensive book on the subject that I know of. Professor Naaman has pulled together his 25+ years of experience and research in the ferrocement field and come up with a textbook of ferrocement. This book will most likely become the standard textbook for the teaching field when it comes to ferrocement."

Paul Sarnstrom, *Host, www.ferrocement.net, Montrose, Colorado.*

"I have been collecting books on ferrocement for five years. I recently read 'Ferrocement and Laminated Cementitious Composites'. I'm certain it will lead to the design of many new products and structures. In my opinion, it is definitely the 'ferrocement bible'."

David B. Smith, *Spartanburg, S.C.*

"This book is the first to bring together the wealth of information currently available on ferrocement and presents it in a digestible format. Written in an extremely readable style, it takes the reader through the historical and early technical background to a modern method with abundant worked examples. More practical information on design and construction is then presented with further detail on the specific aspects of cost and housing. A final section on advanced materials and construction offers a sneak preview into a possible future."

Paul Nedwell, *University of Manchester Institute of Science and Technology, Manchester, U.K.*

The engineered cementitious composites are an improved category of concrete that consists of composites and is highly crack resistant. It has a high toughness characteristic due to which it can resist fractures, and after the creation of a crack, unlike normal concrete, it hardens. The material ingredients of engineered cementitious composite are similar to that of fiber reinforced concrete, including cement, sand, water, fiber, and a few chemical additives. Unlike the fiber reinforced concrete, the engineered cementitious composites do not include large volume of fiber. The mixing procedure of engineered cementitious composites is similar to that employed for the normal concrete.