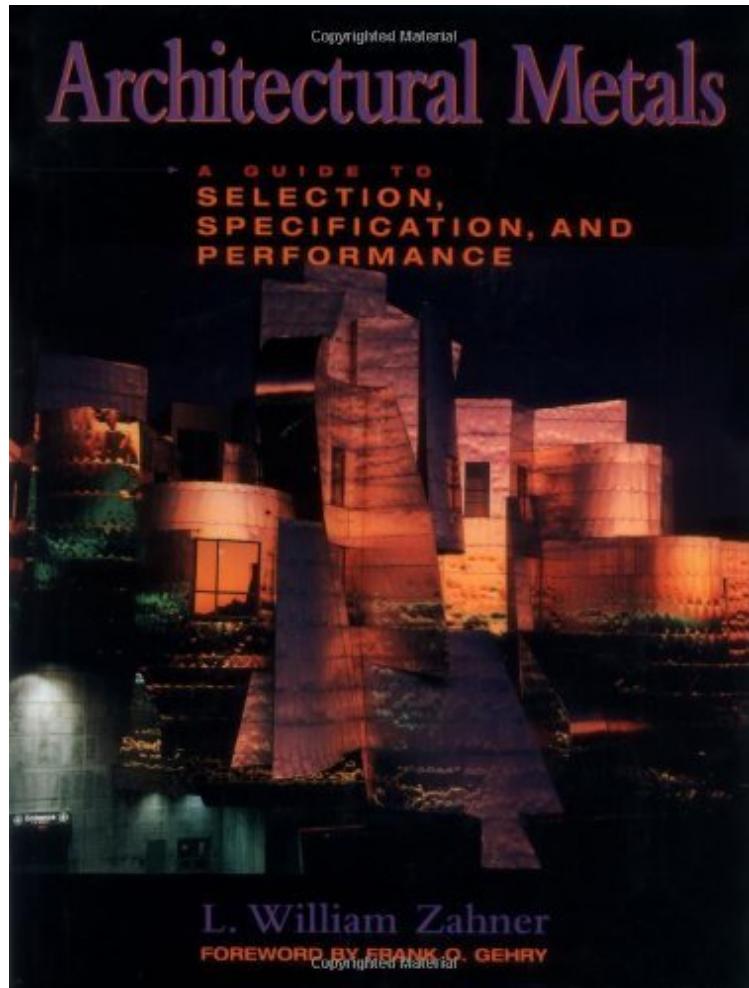


Architectural Metals: A Guide to Selection, Specification, and Performance

L. William Zahner

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L. William Zahner : Architectural Metals: A Guide to Selection, Specification, and Performance before purchasing it in order to gage whether or not it would be worth my time, and all praised Architectural Metals: A Guide to Selection, Specification, and Performance:

0 of 0 people found the following review helpful. ultimate sourceBy Chicago momThis book is very comprehensive. If you need detailed information on many different metals and alloys, this book is perfect.0 of 0 people found the following review helpful. Great Book for the Metals IndustryBy R_Hill_1I have worked for an architectural copper fabrication company for 15 years. Throughout the years, we have heard all sorts of things about metal, metal interactions, different alloys, etc; but this book does a great of separating fact from rumor. It thoroughly examines every major metal and their alloys and explains them in a very easy to understand way. For people in the industry, it is a great reference book (for me, it's just fun reading!. For laypeople, it should still be very understandable. For a

metallurgist, well, you'd just be bored - it's probably too basic for you. At my company, parts of it are used for new employee training. I would also recommend it for beginning students in architecture or construction/construction management; and for anyone going into the "metal" trade. 1 of 1 people found the following review helpful.

Architectural Metals By J. Lindner This book is not for everyone, but if you have a desire to understand architectural metals and how each is used in everyday application, then this is a good starting point. It includes full chapters on each type of metal used in finish design, aluminum, copper, alloys, iron and steel, and even how to coat them be it anodizing or painting. Each chapter fully describes the benefits and characteristics of the metal and explains how to maintain the metal. It also tells how to joint pieces together be it soldering or welding. Reading this book give a person a lot of insight into architectural metals. Architects and engineers will benefit the most, but anyone with a passing fancy in this subject will find the book positively fascinating.

The historic breakthroughs in the science of metallurgy over the last quarter century have produced an array of new metallic building materials. Architects and designers now have a far broader palette of metals to choose from than at any other time in history, and metal is fast becoming the star building material featured in some of today's most exciting new building projects. A book whose time has come, *Architectural Metals* is the first comprehensive guide to the metals and metallic finishes currently available for use in architecture. Learn from a fourth-generation expert in the field who has, over the past fifteen years, consulted on some of the world's most prestigious building projects.

Architectural Metals demystifies metals for architects, artisans, and design professionals providing them with a logical framework for the selection and use of the correct material for the job at hand. Encyclopedic in scope, *Architectural Metals* is an extremely user-friendly working resource supplying readers with instant access to a wealth of essential information about the forms and behaviors of metallic building materials. From aluminum, stainless steel, copper, lead, and zinc to new metals and finishes such as titanium, pewter-coated copper, and colored stainless steel, it describes everything architects, engineers, and design professionals need to know about all the common and many uncommon metals at their disposal. Each chapter of *Architectural Metals* is devoted to a specific type of metal, metallic finish, or coating. Each includes a historical overview, environmental concerns, an exhaustive description of available forms and (where appropriate) colors, performance evaluations, finishes, weathering and corrosion characteristics, maintenance and restoration techniques, fastening, welding, and joining methods, and more. And since each metal-producing industry has its own unique jargon and systems of measurement, the author takes pains throughout to define relevant terms and translate measurement and thickness indices into familiar inch and millimeter scales. Destined to become a standard in the field, *Architectural Metals* is an indispensable tool for architects, designers, and artisans who work with metals. "Metals is the material of our time. It enables architecture to become sculpture; it also expresses technological possibility as well as the time-honored characteristics of quality and permanence." --From Frank O. Gehry's foreword to *Architectural Metals* Written by one of the leading experts on architectural metals, this is the first comprehensive guide to the metals and metallic finishes and coatings available for use in architectural construction. Growing out of its author's experiences helping architects realize some of the most exciting designs of the past twenty years, *Architectural Metals*:

- * Demystifies metals for architects and design professionals
- * Supplies a logical framework for selecting the best materials for the job at hand
- * Provides instant access to everything architects and designers need to

From the Publisher Provides a wealth of information on the diverse forms and behaviors of common and several uncommon metals used in architectural construction. Each chapter is devoted to a specific metal, metallic finish or coating and includes a historical overview, performance evaluations and maintenance and restoration techniques. Discusses new metals and finishes currently utilized in architecture such as titanium, pewter-coated copper and colored stainless steel. Contains approximately 60 full-color images which feature interesting metal architectural elements and a variety of finishes. From the Back Cover The historic breakthroughs in the science of metallurgy over the last quarter century have produced an array of new metallic building materials. Architects and designers now have a far broader palette of metals to choose from than at any other time in history, and metal is fast becoming the star building material featured in some of today's most exciting new building projects. A book whose time has come, *Architectural Metals* is the first comprehensive guide to the metals and metallic finishes currently available for use in architecture. Learn from a fourth-generation expert in the field who has, over the past fifteen years, consulted on some of the world's most prestigious building projects. *Architectural Metals* demystifies metals for architects, artisans, and design professionals providing them with a logical framework for the selection and use of the correct material for the job at hand. Encyclopedic in scope, *Architectural Metals* is an extremely user-friendly working resource supplying readers with instant access to a wealth of essential information about the forms and behaviors of metallic building materials. From aluminum, stainless steel, copper, lead, and zinc to new metals and finishes such as titanium, pewter-coated copper, and colored stainless steel, it describes everything architects, engineers, and design professionals need to know about all the common and many uncommon metals at their disposal. Each chapter of *Architectural Metals* is devoted to a specific type of metal, metallic finish, or coating. Each includes a historical overview, environmental concerns, an

exhaustive description of available forms and (where appropriate) colors, performance evaluations, finishes, weathering and corrosion characteristics, maintenance and restoration techniques, fastening, welding, and joining methods, and more. And since each metal-producing industry has its own unique jargon and systems of measurement, the author takes pains throughout to define relevant terms and translate measurement and thickness indices into familiar inch and millimeter scales. Destined to become a standard in the field, *Architectural Metals* is an indispensable tool for architects, designers, and artisans who work with metals. "Metals is the material of our time. It enables architecture to become sculpture; it also expresses technological possibility as well as the time-honored characteristics of quality and permanence." —From Frank O. Gehry's foreword to *Architectural Metals* Written by one of the leading experts on architectural metals, this is the first comprehensive guide to the metals and metallic finishes and coatings available for use in architectural construction. Growing out of its author's experiences helping architects realize some of the most exciting designs of the past twenty years, *Architectural Metals: Demystifies metals for architects and design professionals* Supplies a logical framework for selecting the best materials for the job at hand Provides instant access to everything architects and designers need to know About the Author L. WILLIAM ZAHNER is President of A. Zahner Company Inc. and Zahner Architectural Metal Consultants, Kansas City, Missouri. He has worked with many of the world's leading architects and has contributed to a number of high-profile projects utilizing metal as a major building material, including the Weisman Museum of Art and the Guggenheim Museum in Bilbao, Spain.