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**Hot dip galvanized coatings on fabricated iron and steel articles
- Specifications and test methods (ISO 1461:2009)**

Revêtements par galvanisation à chaud sur produits finis
en fonte et en acier - Spécifications et méthodes d'essai
(ISO 1461:2009)

Durch Feuerverzinken auf Stahl aufgetragene Zinküberzüge
(Stückverzinken) - Anforderungen und Prüfungen (ISO
1461:2009)

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Precast Concrete Structures Kim S. Elliott, 2019-08-08 This second edition of Precast Concrete Structures introduces the conceptual design ideas for the prefabrication of concrete structures and presents a number of worked examples that translate designs from BS 8110 to Eurocode EC2 before going into the detail of the design manufacture and construction of precast concrete multi storey buildings Detailed structural analysis of precast concrete and its use is provided and some details are presented of recent precast skeletal frames of up to forty storeys The theory is supported by numerous worked examples to Eurocodes and European Product Standards for precast reinforced and prestressed concrete elements composite construction joints and connections and frame stability together with extensive specifications for precast concrete structures The book is extensively illustrated with over 500 photographs and line drawings

Structures and Architecture - Bridging the Gap and Crossing Borders Paulo J.S. Cruz, 2019-07-08 Structures and Architecture Bridging the Gap and Crossing Borders contains the lectures and papers presented at the Fourth International Conference on Structures and Architecture ICSA2019 that was held in Lisbon Portugal in July 2019 It also contains a multimedia device with the full texts of the lectures presented at the conference including the 5 keynote lectures and almost 150 selected contributions The contributions on creative and scientific aspects in the conception and construction of structures on advanced technologies and on complex architectural and structural applications represent a fine blend of scientific technical and practical novelties in both fields ICSA2019 covered all major aspects of structures and architecture including building envelopes fa ades comprehension of complex forms computer and experimental methods futuristic structures concrete and masonry structures educating architects and structural engineers emerging technologies glass structures innovative architectural and structural design lightweight and membrane structures special structures steel and composite structures structural design challenges tall buildings the borderline between architecture and structural engineering the history of the relationship between architects and structural engineers the tectonic of architectural solutions the use of new materials timber structures among others This set of book and multimedia device is intended for a global readership of researchers and practitioners including architects structural and construction engineers builders and building consultants constructors material suppliers and product manufacturers and other professionals involved in the design and realization of architectural structural and infrastructural projects

Hot-Dip Galvanizing of Steel Structures Vlastimil Kuklik, Jan Kudlacek, 2016-02-09 Hot Dip Galvanizing of Steel Structures contains practical information that is useful for both researchers in hot dip galvanizing and engineers designers and inspectors The book draws from the empirical experience and research of the authors complementing the current state of knowledge of morphological variations of the coating and causes of coating delamination The book includes chapters devoted to qualitative tests of the coating and to methods of making corrections A section describing the principle of protecting steel against corrosion through zinc coating is also provided along with an extensive

chapter on the principles of good design for hot dip galvanizing The chapter related to the safety of hot dip galvanized steel structures offers a new hypothesis about the mechanism of nucleation of LMAC cracks during hot dip galvanizing thus enriching the knowledge regarding this phenomenon Provides practical information on hot dip galvanizing from a scientific disciplinary perspective including coverage of design principles reliability of galvanized structures and legal aspects Features chapters devoted to qualitative assessments of the surface treatment and methods for correcting problems Includes discussion of hot dip galvanizing with regard to environmental aspects and sustainable development Essentials of Oil and Gas Utilities Alireza Bahadori, 2016-02-03 Every oil and gas refinery or petrochemical plant requires sufficient utilities support in order to maintain a successful operation A comprehensive utilities complex must exist to distribute feedstocks discharge waste streams and remains an integrated part of the refinery's infrastructure Essentials of Oil and Gas Utilities explains these support systems and provides essential information on their essential requirements and process design This guide includes water treatment plants condensate recovery plants high pressure steam boilers induced draft cooling towers instrumentation plant air compressors and units for a refinery fuel gas and oil systems In addition the book offers recommendations for equipment and flow line protection against temperature fluctuations and the proper preparation and storage of strong and dilute caustic solutions Essentials of Oil and Gas Utilities is a go to resource for engineers and refinery personnel who must consider utility system design parameters and associated processes for the successful operations of their plants Discusses gaseous and liquid fuel systems used to provide heat for power generation steam production and process requirements Provides a design guide for compressed air systems used to provide air to the various points of application in sufficient quantity and quality and with adequate pressure for efficient operation of air tools or other pneumatic devices Explains the water systems utilized in plant operations which include water treatment systems or raw water and plant water system cooling water circuits for internal combustion engines reciprocating compressors inter cooling and after cooling facilities and Hot Oil and Tempered Water systems *From Fundamentals to Applications in Geotechnics* D. Manzanal, A.O. Sfriso, 2015-12-11 The work of geotechnical engineers contributes to the creation of safe economic and pleasant spaces to live work and relax all over the world Advances are constantly being made and the expertise of the profession becomes ever more important with the increased pressure on space and resources This book presents the proceedings of the 15th Pan American Conference on Soil Mechanics and Geotechnical Engineering XV PCSMGE held in Buenos Aires Argentina in November 2015 This conference held every four years is an important opportunity for international experts researchers academics professionals and geo engineering companies to meet and exchange ideas and research findings in the areas of soil mechanics rock mechanics and their applications in civil mining and environmental engineering The articles are divided into nine sections transportation geotechnics in situ testing geo engineering for energy and sustainability numerical modeling in geotechnics foundations and ground improvement unsaturated soil behavior embankments dams and tailings

excavations and tunnels and geo risks and cover a wide spectrum of issues from fundamentals to applications in geotechnics This book will undoubtedly represent an essential reference for academics researchers and practitioners in the field of soil mechanics and geotechnical engineering In this proceedings approximately 65% of the contributions are in English and 35% of the contributions are in Spanish or Portuguese

Steel Detailers' Manual Alan Hayward, Frank Weare, A. C. Oakhill, 2011-05-06 This highly illustrated manual provides practical guidance on structural steelwork detailing It describes the common structural shapes in use and how they are joined to form members and complete structures explains detailing practice and conventions provides detailing data for standard sections bolts and welds emphasises the importance of tolerances in order to achieve proper site fit up discusses the important link between good detailing and construction costs Examples of structures include single and multi storey buildings towers and bridges The detailing shown will be suitable in principle for fabrication and erection in many countries and the sizes shown will act as a guide to preliminary design The third edition has been revised to take account of the new Eurocodes on structural steel work together with their National Annexes The new edition also takes account of developments in 3 D modelling techniques and it includes more CAD standard library details

Concrete and Masonry Movements Jeffrey Brooks, 2014-08-23 Widely used in the construction of bridges dams and pavements concrete and masonry are two of the world's most utilized construction materials However many engineers lack a proper understanding of the methods for predicting and mitigating their movements within a structure *Concrete and Masonry Movements* provides practical methods for predicting and preventing movement in concrete and masonry saving time and money in retrofitting and repair cost With this book in hand engineers will discover new prediction models for masonry such as irreversible moisture expansion of clay bricks elasticity creep and shrinkage In addition the book provides up to date information on the codes of practice Provides mathematical modelling tools for predicting movement in masonry Up to date knowledge of codes of practice methods Clearly explains the factors influencing all types of concrete and masonry movement Fully worked out examples and set problems are included at the end of each chapter

Corrosion and Corrosion Protection of Wind Power Structures in Marine Environments Andreas Møller, 2024-04-07 *Corrosion and Corrosion Protection of Wind Power Structures in Marine Environments* Volume 2 *Corrosion Protection Measures* offers the first comprehensive review on corrosion and corrosion protection of offshore wind power structures The book extensively discusses corrosion phenomena and corrosion types in different marine corrosion zones including the modeling of corrosion processes and interactions between corrosion and structural stability The book addresses important design issues namely materials selection relevant to their performance in marine environments corrosion allowance and constructive design Active and passive corrosion protection measures are emphasized with special sections on cathodic corrosion protection and the use of protective coatings Seawater related issues associated with cathodic protection such as calcareous deposit formation hydrogen formation and fouling are discussed With respect to protective coatings the book considers for the first time

complete loading scenarios including corrosive loads mechanical loads and special loads and covers a wide range of coating materials Problems associated with fouling and bacterial induced corrosion are extensively reviewed The book closes with a chapter on recent developments in maintenance strategies inspection techniques and repair technologies The book will be of special interest to materials scientists materials developers corrosion engineers maintenance engineers civil engineers steel work designers mechanical engineers marine engineers chemists and coating specialists Offshore wind power is an emerging renewable technology and a key factor for a cleaner environment Offshore wind power structures are situated in a demanding and challenging marine environment The structures are loaded in a complex way including mechanical loads and corrosive loads Corrosion is one of the major limiting factors to the reliability and performance of the technology Maintenance and repair of corrosion protection systems are particularly laborious and costly Explores the literature between 1950 and 2020 and contains over 2000 references Offers the most complete monograph on the issue Covers all aspects of corrosion protection in detail including coatings cathodic protection corrosion allowance constructive design as well as maintenance and repair Delivers the most complete review on corrosion of metals in marine offshore environments Focuses on all aspects of offshore wind power structures namely foundations towers internal sections connection flanges and transformation platforms

Hydraulic Rubber Dam Sabu Thomas,Ajay Vasudeo Rane,Abitha VK,Krishnan Kanny,Aastha Dutta,2018-11-30 Hydraulic Rubber Dam An Effective Water Management Technology is the go to source for information on the materials manufacture mechanics and functional benefit of rubber dams in water management Readers will find a detailed background on water conservation and coverage how inflatable rubber dam technology contributes to the picture and information on the proper manufacture and use of rubber dams to increase water storage for release and delivery during drought In addition the book presents tactics on the even distribution of water across populations how to increase water use efficiency conservation and how to prevent flooding In particular this book details specialist manufacturing techniques including the development of rubber compounds and fabric the bonding and anchoring systems which hold the rubber dam to the underlying concrete structure and inflation and deflation mechanisms for rubber dams The book provides a holistic lifecycle assessment of rubber dams to give additional insight to readers looking to deploy rubber dam technology Demonstrates the proper use of rubber dams in water management especially in flood prevention and water conservation during drought Includes guidance on the materials engineering of rubber and technical fabrics involved in the construction of dams bonding and anchoring systems and inflation and deflation mechanisms Presents thorough coverage of modelling and stress analysis along with lifecycle assessment of inflatable rubber dams

Adhesive Bonding Robert D. Adams,2021-07-02 Adhesive Bonding Science Technology and Applications Second Edition guides the reader through the fundamentals mechanical properties and applications of adhesive bonding This thoroughly revised and expanded new edition reflects the many advances that have occurred in recent years Sections cover the fundamentals of adhesive bonding explaining how

adhesives and sealants work and how to assess and treat surfaces how adhesives perform under stress and the factors affecting fatigue and failure stress analysis environmental durability non destructive testing impact behavior fracture mechanics fatigue vibration damping and applications in construction automotive marine footwear electrical engineering aerospace repair electronics biomedicine and bonding of composites With its distinguished editor and international team of contributors this book is an essential resource for industrial engineers R D and scientists working with adhesives and their industrial applications as well as researchers and advanced students in adhesion joining polymer science materials science and mechanical engineering Offers detailed methodical coverage of the fundamentals mechanical properties and industrial applications of adhesive bonding Enables the successful preparation of adhesives for a broad range of important load bearing applications in areas such as automotive and aerospace construction electronics and biomedicine Covers the latest advances in adhesive bonding including improved repair techniques for metallic and composite structures cohesive zone modeling and disassembly and recycling

Photovoltaic Module Reliability John H. Wohlgemuth, 2020-01-08 Provides practical guidance on the latest quality assurance and accelerated stress test methods for improved long term performance prediction of PV modules This book has been written from a historical perspective to guide readers through how the PV industry learned what the failure and degradation modes of PV modules were how accelerated tests were developed to cause the same failures and degradations in the laboratory and then how these tests were used as tools to guide the design and fabrication of reliable and long life modules Photovoltaic Module Reliability starts with a brief history of photovoltaics discussing some of the different types of materials and devices used for commercial solar cells It then goes on to offer chapters on Module Failure Modes Development of Accelerated Stress Tests Qualification Testing and Failure Analysis Tools Next it examines the use of quality management systems to manufacture PV modules Subsequent chapters cover the PVQAT Effort the Conformity Assessment and IECRE and Predicting PV Module Service Life The book finishes with a look at what the future holds for PV A comprehensive treatment of current photovoltaic PV technology reliability and necessary improvement to become a significant part of the electric utility supply system Well documented with experimental and practical cases throughout enhancing relevance to both scientific community and industry Timely contribution to the harmonization of methodological aspects of PV reliability evaluation with test procedures implemented to certify PV module quality Written by a leading international authority in PV module reliability Photovoltaic Module Reliability is an excellent book for anyone interested in PV module reliability including those working directly on PV module and system reliability and preparing to purchase modules for deployment

Modern Methods of Construction and Innovative Materials Arthur Lyons, 2024-04-01 This new textbook has two main themes The first is Modern Methods of Construction MMC which is the off site manufacture of a wide spectrum of products ranging from whole buildings to be transported onto site down to smaller units or components for site integration The second theme describes the innovation and progress towards carbon zero by the major generators of CO₂ in

the construction industry namely cement steel and masonry The first section of the book describes and illustrates with photographs the major forms of Modern Methods of Construction These include fully completed 3D units panelised systems pods sub assemblies and on site MMC The section on Innovative Materials then describes a wide range of construction products which are entering into the built environment sector Some new entrants are variants on well established construction materials such as steel and concrete Materials such as these will remain major construction materials for the foreseeable future but their composition and manufacturing processes will inevitably have to change Timber also will remain a major construction material but sustainable sourcing is key and its utilisation as cross lamination timber CLT or as modified timber is rapidly developing As a result students and practitioners must familiarise themselves with these materials their composition and various uses The book goes on to describe variants of other traditional building products such as glass plastic and insulation which are undergoing major developments leading towards enhanced environmental sustainability as well as many emergent materials some of which are likely to be significant in future Modern Methods of Construction and Innovative Materials is the only book combining these important elements of the future of the industry in an easy to read guide for students and new practitioners It is essential reading for anyone studying and working in the built environment be they architects construction managers surveyors or engineers

Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles. Specifications and Test Methods British Standards Institute Staff, 2009-07-31 Hot dip coating Hot dip galvanizing Metal coatings Coatings Zinc Ferrous metals Steels Iron Thickness Sampling methods Test specimens Specimen preparation Control samples Surface defects Gravimetric analysis Adhesion tests Instructions for use Design Thickness measurement

Proceedings of the First Southern African Geotechnical Conference S.W. Jacobsz, 2016-03-30 The First Southern African Geotechnical Conference was organised by the Geotechnical Division of the South African Institution of Civil Engineering SAICE under the auspices of the International Society of Soil Mechanics and Geotechnical Engineering ISSMGE and took place at Sun City South Africa on 5 and 6 May 2016 More than 60 papers were rec

Techniques for Protecting Overhead Lines in Winter Conditions Masoud Farzaneh, William A. Chisholm, 2022-02-10 This book offers a comprehensive review of the various options for improving the performance of overhead power lines in winter conditions taking into account both mechanical and electrical aspects Experience within the CIGRE community reveals many strategies to protect overhead power lines from damage caused by heavy build up of ice and snow or electrical issues such as insulator icing flashovers The initial approach is to consider the predicted ice loads from the available databases This is supplemented with some fundamental aspects of icing physics that affect accretion rate as well as factors in ice shedding on traditional metal ceramic and novel treated surfaces These ice physics concepts structure the ways to categorize and evaluate methods to reduce or prevent icing on conductors and ground wires or to prevent flashover of insulators Many utilities in cold climate regions have developed and used methods and strategies to reduce ice loads using anti icing AI and or de icing DI methods In

general AI methods are used before or early during ice build up while DI methods are activated during and sometimes after ice build up The book describes and discusses some historical operational or potential AI DI systems in the ice physics context This supports a comprehensive review of AI coatings including concepts relevant material properties application methods and finally test methods for characterizing the long term performance *Eurocode 4 DIN EN 1994-1-1 Bemessung und Konstruktion von Verbundtragwerken aus Stahl und Beton* Gerhard Hanswille, Markus Schäfer, Marco Bergmann, 2020-07-30 Der vorliegende Kommentar zu DIN EN 1994 1 1 richtet sich an alle Fachleute die sich planend bauend pr fend oder bewachend mit der Bemessung Konstruktion und Ausf hrung von Verbundtragwerken aus Stahl und Beton befassen Er bietet eine Unterst tzung bei der Auslegung und Anwendung der Norm in der Ingenieurpraxis Besonderer Wert wird auf die Erl uterung der den Bemessungsregeln zugrunde liegenden mechanischen Modelle gelegt um auch bei praktischen Fragestellungen die nicht durch spezielle Anwendungsregeln im Eurocode 4 abgedeckt sind eine sachgerechte Anwendung der Norm zu erm glichen Erg nzt wird das Buch durch eine Reihe typischer Beispiele aus dem Hochbau sodass der Praktiker sich einfach und schnell in das Regelwerk einarbeiten kann Dar ber hinaus wird ein Einblick in den derzeitigen Diskussionsstand bei der Erarbeitung der Regelungen f r die n chste Generation des Eurocode 4 gegeben und es wird auf wichtige zu erwartende nderungen und Erg nzungen hingewiesen *Handbuch Feuerverzinken* Peter Peißker, Mark Huckshold, 2016-06-23 In der nunmehr vierten Auflage ist das Handbuch Feuerverzinken konzeptionell und inhaltlich vollst ndig bearbeitet und aktualisiert worden Inzwischen nicht mehr anwendungsrelevante Themen wurden gestrichen w hrend neue rund um den aktuellen Stand der Technik hinzugekommen sind Dabei wird das Feuerverzinken als ein geschlossenes System beschrieben und alle industrierelevante Teilgebiete beleuchtet wie zum Beispiel wirtschaftliche und anwenderspezifische Aspekte die Oberfl chenvorbereitung das Korrosionsverhalten von Zink berz gen Duplex Systeme bis hin zum Umweltschutz und der Arbeitssicherheit Dabei wird der Inhalt durch ein Wechselspiel zwischen theoretischen Grundlagen und Beispielen aus der Praxis vermittelt zahlreiche Bilder Skizzen und Tabellen unterst tzen das Verst ndnis Abgerundet wird das Gesamtkonzept mit Erl uterungen zur Qualit tssicherung mit den dazugeh rigen DIN und ISO Normen und aktualisierten Tabellen die alle relevanten Daten zum Feuerverzinken abdecken Das Buch schafft es in verst ndlicher und praxisnaher Weise das A und O des Feuerverzinkens zu erkl ren Perfekt geeignet als Lehrbuch f r Berufseinsteiger sowie als Nachschlagewerk f r Praktiker in Betrieben die sich mit allen Aspekten des Feuerverzinkens befassen

Oberflächentechnik für den Maschinenbau Kirsten Bobzin, 2013-09-24 Tribologie Korrosion Konstruktion und Werkstofftechnik sind Wissensbereiche die sich zun chst parallel entwickelt haben Das gleiche gilt f r die verschiedenen Verfahren der Oberfl chentechnik Heute wird es zunehmend wichtiger interdisziplin re Ans tze zu finden um die Problemstellungen der Zukunft wie z B Umweltschutz oder Ressourcenschonung gemeinsam zu l sen Das Buch verfolgt den Ansatz diese Wissensbereiche zu verkn pfen Es beginnt mit einer Beschreibung technischer Oberfl chen hinsichtlich

chemischer Zusammensetzung und geometrischer Struktur Technische Systeme des Maschinenbaus Bauteile oder Werkzeuge sind Umgebungseinflüssen Druck Chemie Temperatur ausgesetzt die zu Oberflächenschäden durch Verschleiß und Korrosion führen können Um Oberflächen davor zu schützen müssen die Grundlagen der Tribologie Lehre von Reibung und Verschleiß und Korrosion zunächst verstanden sein weshalb die wichtigsten Begriffe und Definitionen zu Beginn des Buches beschrieben werden Schwerpunkt des Buches ist die Behandlung der Verfahren der Oberflächentechnik die im Maschinenbau Anwendung finden Jedes Verfahren wird hinsichtlich Beschichtungsprozess Anlagentechnik Schichtwerkstoffen typischen Schichtdicken Beschichtungstemperaturen und Schichtwerkstoffen beschrieben und anhand von Anwendungsbeispielen vorgestellt Wesentliches Element der Oberflächentechnik ist die Kombination unterschiedlicher Werkstoffe oder Werkstoffeigenschaften um Volumen und Oberflächeneigenschaften getrennt voneinander entsprechend der Anwendung optimieren zu können Daher ist abschließend eine sehr kurze Einteilung wichtiger Werkstoffe gegeben Metalle Keramiken Polymere Die Kombination aus Tribologie Korrosion Verfahren der Oberflächentechnik und Werkstoffkunde ermöglicht eine strukturierte Herangehensweise bei der Auslegung von Oberflächen

Intelligent Multimedia Communication: Techniques and Applications Chang Wen Chen, Zhu Li, Shiguo Lian, 2011-07-06 Multimedia data are used more and more widely in human beings life e.g. videoconferencing visual telephone IPTV etc Nearly most of the applications need multimedia transmission techniques that send multimedia data from one side to another side and keep the properties of efficiency robustness and security Here the efficiency denotes the time cost of transmission operations the robustness denotes the ability to survive transmission errors or noises and the security denotes the protection of the transmitted media content Recently various intelligent or innovative techniques are invented which bring vast performance improvements to practical applications For example such content transmission techniques as p2p sensor network and ad hoc network are constructed which adaptively use the peers properties to improve the network's resources Multimedia adaptation techniques can adjust the multimedia data rate in order to be compliant with the network's bandwidth Scalable encryption techniques can generate the data stream that can be correctly decrypted after bit rate conversion Ubiquitous multimedia services make the user share any kind of content anywhere The book includes fourteen chapters highlighting current concepts issues and emerging technologies Distinguished scholars from many prominent research institutions around the world contribute to the book The book covers various aspects including not only some fundamental knowledge and the latest key techniques but also typical applications and open issues For example the covered topics include the present and future video coding standards stereo and multiview coding techniques free viewpoint TV techniques wireless broadcasting techniques media streaming techniques wireless media transmission techniques and systems and User Generated Content sharing

Ausführung von Stahlbauten Herbert Schmidt, Jörg-Dieter Korth, Gregor Machura, Ralf Podleschny, Christian Kammel, Michael Volz, 2019-04-10 Nachdem sich die Vorgängerauflage des Kommentars von 2012 zur unverzichtbaren Arbeitshilfe für alle mit dem Stahlbau befassten Fachleute

entwickelt hat wird nun eine bearbeitete und erweiterte Auflage vorgelegt die die zwischenzeitlichen Änderungen an den kommentierten Normen berücksichtigt Dieser Kommentar enthält Erläuterungen zu den technischen Regeln für die Ausführung von Stahlbauten in DIN EN 1090 2 Ausführung von Stahltragwerken und Aluminiumtragwerken Teil 2 Technische Regeln für die Ausführung von Stahltragwerken und DIN EN 1090 4 Ausführung von Stahltragwerken und Aluminiumtragwerken Teil 4 Technische Anforderungen an kaltgeformte tragende Bauelemente aus Stahl und kaltgeformte tragende Bauteile für Dach Decken Boden und Wandanwendungen Er liefert wichtige Zusatz und Hintergrundinformationen und stellt darüber hinaus Verknüpfungen zu angrenzenden Disziplinen dar Auszüge aus zitierten Regelwerken werden wiedergegeben und die Umsetzung der Normregelungen anhand von Musterbeispielen illustriert Eine der wesentlichen Bearbeitungen der DIN EN 1090 2 betraf die technischen Anforderungen an tragende dinnwandige kaltgeformte Bauelemente und Bauteile aus Stahl Sie waren nicht umfassend genug behandelt Dieses Teilgebiet des Stahlbaus wurde deshalb aus der bisherigen DIN EN 1090 2 herausgelöst und in die neue Teilnorm DIN EN 1090 4 überführt um mit der notwendigen Ausführlichkeit dargestellt zu werden DIN EN 1090 4 wurde 2018 veröffentlicht und ist im vorliegenden Buch erstmalig kommentiert Die aktuellen Fassungen beider Normteile im Volltext sind auf der dem Buch beigegebenen CD ROM enthalten Die in der Voraufgabe von Ausführung von Stahlbauten ebenfalls kommentierte DIN EN 1090 1 ist in der Neuauflage nicht enthalten da sie keine technischen Regeln für das Bauen sondern ausschließlich Regeln für den formalen Konformitätsnachweis und die CE Kennzeichnung des Bauproduktes Tragende Stahlbauteile enthält Die Bearbeitung ist noch nicht abgeschlossen und der Abdruck der Fassung von 2012 02 ist nicht sinnvoll Der vorliegende Kommentar ist eine Hilfestellung bei der täglichen Arbeit für alle Fachleute die sich planend bauend prüfend oder bewachend mit der Ausführung von Stahlbauten in Deutschland oder im europäischen Ausland befassen Ingenieure Techniker Meister technische Kaufleute usw Der Kommentar folgt streng der Gliederung der beiden kommentierten Normteile ohne jedoch deren Texte zu wiederholen Er gibt Zusatz und Hintergrundinformationen stellt Verknüpfungen zu angrenzenden Bereichen dar gibt wichtige Auszüge aus zitierten Regelwerken wieder und illustriert anhand von Musterbeispielen die Umsetzung der Normregelungen Die Autoren sind selbst an der Erarbeitung der Normen beteiligt die Kommentierungen und Hintergrundinformationen stammen also aus erster Hand

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