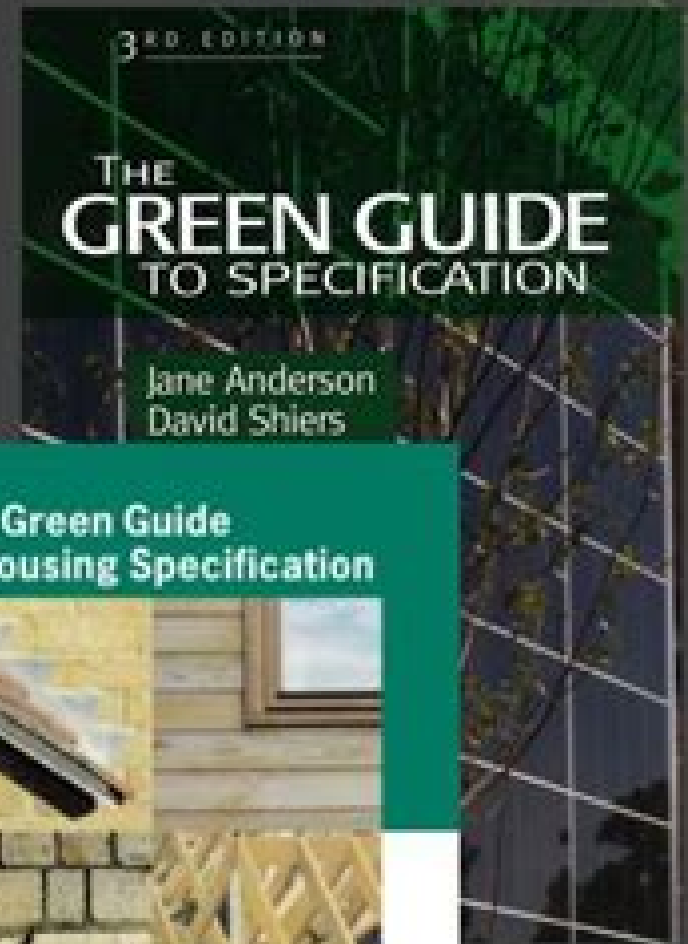


# Green Guide to Specification

- Simple to use
- Element based
- Environmental impacts of building elements
- Based on LCA
- A,B,C rating



## The Green Guide to Housing Specification



An Environmental Profiling System for building materials and components used in housing

Jane Anderson Nigel Howard

EcoHomes  

# Green Guide To Specification

**Sofie Pelsmakers**



## **Green Guide To Specification:**

**The Green Guide to Specification** Jane Anderson, David Shiers, 2009-03-09 Like its predecessors this fourth edition of The Green Guide to Specification provides designers and specifiers with easy to use guidance on how to make the best environmental choices when selecting construction materials and components It is more comprehensive than its predecessors it contains more than 1200 specifications used in six types of building Commercial buildings such as offices Educational buildings such as schools and universities Healthcare buildings such as hospitals Retail Residential Industrial The principal building elements covered in this edition of The Green Guide to Specification include Floors Roofs Walls Windows Insulation Landscaping The performance of each specification is measured against a range of environmental impacts including climate change toxicity fossil fuel and ozone depletion levels of emissions and pollutants mineral and water extraction The Green Guide to Specification provides robust information to assist decision making by translating numerical life cycle assessment data into a simple A to E scale of environmental ratings enabling specifiers to make meaningful comparisons between materials and components The Green Guide to Specification is an essential tool for architects surveyors building managers and property owners seeking to reduce the environmental impact of their buildings by informed and responsible selection of construction materials and components

**The Green Guide to Specification** Jane Anderson, David Shiers, Mike Sinclair, 2008-04-15 How can you tell if the materials and components you are specifying have a low environmental impact A full life cycle assessment is a complex time consuming and expensive process the environmental ratings summarised in this Guide provide a quick and easy way for designers and specifiers to assess their options The relative environmental performance of over 250 materials and components have been assessed in this guide using carefully researched quantitative data derived from the BRE Environmental Database A wide range of alternative specifications are provided for walls floor systems floor finishes roofs windows doors ceilings paints insulation landscaping The performance of each specification is measured against a range of environmental impacts including climate change toxicity fossil fuel and ozone depletion levels of emissions and pollutants mineral and water extraction Environmental performance is indicated by a simple to use A B C rating system To further aid specifiers guidance on capital costs typical replacement intervals and information on recycling is also provided for each material and component An important part of BREEM the BRE's widely accepted scheme to improve the environmental performance of buildings The Green Guide to Specification is an essential tool for architects surveyors building managers and property owners seeking to reduce the environmental impacts of building materials through informed choice

**The Green Guide to Housing Specification** Jane Anderson, Nigel Howard, 2000 Contains over 150 specifications commonly used in housing This work lists typical wall roof floor and other constructions against a simple environmental rating scale from A good to C poor

**Construction Specifications Writing** Mark Kalin, Robert S. Weygant, Harold J. Rosen, John R. Regener, 2011-09-13 Updated edition of the

comprehensive rulebook to the specifier's craft With this latest update Construction Specifications Writing Sixth Edition continues to claim distinction as the foremost text on construction specifications This mainstay in the field offers comprehensive practical and professional guidance to understanding the purposes and processes for preparation of construction specifications This new edition uses real world document examples that reflect current writing practices shaped by the well established principles and requirements of major professional associations including the American Institute of Architects AIA the Engineers Joint Contract Documents Committee EJCDC and the Construction Specifications Institute CSI Also included are guidelines for correct terminology product selection organization of specifications according to recognized CSI formats and practical techniques for document production Fully revised throughout this Sixth Edition includes Updates to MasterFormat 2004 as well as SectionFormat PageFormat 2007 and Uniformat End of chapter questions and specification writing exercises Samples of the newly updated construction documents from the AIA New chapter on sustainable design and specifications for LEED projects Updated information on the role of specifications in Building Information Modeling BIM

**Design Tools for Evidence-Based Healthcare Design** Michael Phiri, 2014-12-05 The growing movement towards evidence based healthcare design has largely emphasised a change of culture and attitudes It has advocated for new ways of working but until now it has not focused on equipping healthcare clients and their designers with the practical means to exploit the potential benefits from evidence based architectural design Development of indicators and tools that aid designers and users of the built environments in thinking about quality enhances the design process to achieve better outcomes Importantly design tools can support managers and designers through end user involvement and an increased understanding of what patients and staff expect from their healthcare facilities They can facilitate the creation of patient centred environments which improve user satisfaction Design Tools for Evidence Based Healthcare Design Discusses the tools that are being used to achieve design quality and excellence within the context of NHS procurement systems such as PFI Procure21 and others Collates information that increases our understanding of these tools in order to be able to make the best use of them Clarifies where during the various stages of a building's life from inception design construction occupation and re use these tools should be used in order to derive the benefits possible from evidence based design Provides in one place an authoritative reference publication that will act as a memory a user guide and manual for these design tools Illustrated with case studies from throughout the UK and written by a well known expert in the field this book will provide essential reading for anyone involved in healthcare design

**Materials for Architects and Builders** Arthur Lyons, 2019-08-28 Materials for Architects and Builders provides a clear and concise introduction to the broad range of materials used within the construction industry and covers the essential details of their manufacture key physical properties specification and uses Understanding the basics of materials is a crucial part of undergraduate and diploma construction or architecture related courses and this established textbook helps the reader to do just that with the help of colour

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*Landscape and Sustainability* John Benson, Maggie Roe, 2007-08-07 This unique book addresses the issue of sustainability from the point of view of landscape architecture dealing with professional practices of planners designers and landscape managers This second edition contains updated and new material reflecting developments during the last five years and comprehensively addresses the relationship between landscape architecture and sustainability Much in the text is underpinned by landscape ecology in contrast to the idea of landscape as only appealing to the eye or aspiring cerebrally to be fine art Landscape and Sustainability establishes that the sustainability agenda needs a new mindset among professionals the driving question must always be is it sustainable Developing theory into practice from the global to the local scale and from issues of policy and planning through to detailed design and implementation and on to long term maintenance and management the contributors raise and re examine a complex array of research policy and professional issues and agendas to contribute to the necessary ongoing debate about the future of both landscape and sustainability

*Materials for Architects and Builders* Arthur R. Lyons, 2010 Bricks and brickwork Blocks and blockwork Lime cement and concrete Timber and timber products Ferrous and non ferrous metals Bitumen and flat roofing materials Glass Ceramic materials Stone and cast stone Plastics Glass fibre reinforced plastics cement and gypsum Plaster and board materials Insulation materials Sealants gaskets and adhesives Paints wood stains varnishes and colour Energy saving materials and components Recycled and ecological materials Sustainability

Fundamentals of Integrated Design for Sustainable Building Marian Keeler, Prasad Vaidya, 2016-04-08 The Fully Updated Indispensable Study of Sustainable Design Principles Fundamentals of Integrated Design for Sustainable Building is the first textbook to merge principles theory and practice into an integrated workflow This book introduces the technologies and processes of sustainable design and shows how to incorporate sustainable concepts at every design stage This comprehensive primer takes an active learning approach that keeps students engaged This book dispenses essential information from practicing industry specialists to provide a comprehensive introduction to the future of design This new second edition includes Expansive knowledge from history and philosophy to technology and practice Fully updated international codes like the CAL code and current legislations Up to date global practices such as the tools used for Life Cycle Assessment Thorough coverage of critical issues such as climate change resiliency health and net zero energy building Extensive design problems research exercise study questions team projects and discussion questions that get students truly involved with the material Sustainable design is a responsible forward thinking method for building the best structure possible in the most efficient way Conventional resources are depleting and building professionals are thinking farther ahead This means that sustainable design will eventually be the new

standard and everyone in the field must be familiar with the concepts to stay relevant

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**Fundamental Building Technology** Andrew J. Charlett, Craig Maybery-Thomas, 2013-01-25 Fundamental Building Technology introduces the technology methods and processes fundamental to construction by focussing on what is involved in building a typical low rise house Written with the novice in mind this textbook is the ideal starting point for any construction student as it fully supports the reader all the way to understanding the functional requirements of each element of the building and how to take these into account through the building process itself This second edition is expanded to cover even more relevant topics and is supported by more resources for use by the student and lecturer Now included are An introduction to the planning process and the building regulations How to incorporate a sustainable approach in the selection of materials and elsewhere A companion site with lecturer's answers manual and illustrated lecture notes 150 labelled diagrams throughout the book and multiple self study questions in every chapter A students section of the companion site with multiple choice quizzes and 250 full colour photos linked to chapters of the book Concise focussed and the most student friendly guide to this topic available

Fundamental Building Technology is the perfect textbook for those taking construction technology modules at undergraduate or HNC HND level

**The Green Guide to Housing Specification** Jane Anderson (B.A., MSc.), 2000

**The Environmental Design Pocketbook** Sofie Pelsmakers, 2019-10-23 The Environmental Design Pocketbook 2nd ed places the information you need for sustainable low energy building design at your fingertips Packed with diagrams tools and tips it cuts through the complex mass of technical data and legislation that faces the designer and distils all the key guidance into a single reference that is quick easy to use and points to the facts figures and performance data that are most important This 2nd edition is now fully up to date with the latest Building Regulations Part L and F legislation England and Wales RIBA Plan of Work 2013 new information on the Green Deal and Zero Carbon and contains revised references and further reading sections throughout Whether used in the classroom office or on site the book guides the designer through the entire process from the fundamentals to the building details From future proofing for a changing climate to rainwater harvesting retrofit and zero carbon technologies the Pocketbook has got it covered

**Sustainable Building 2000, 22-25 October 2000, Maastricht, The Netherlands** Chiel Boonstra, Ronald Rovers, Susanne Pauwels, 2000

**Structural Design of Buildings** Feng Fu, David Richardson, 2024-06-28 Structural Design of Buildings Fundamentals in Design Management and Sustainability is essential reference for all structural engineers designing buildings and other structures The book forms part of the Structural Design of Buildings series covering key issues that design professionals face at the outset of a project

**Sustainable Urban Development Volume 2** Mark Deakin, Gordon Mitchell, Peter Nijkamp, Ron Vreeker, 2007-04-11 In this book the second of a three volume series leading authorities on the methodology of environmental assessment provide a unique insight into questions of critical importance to sustainable urban development Using the framework and protocols set

out in Volume 1 Volume 2 examines how well the environmental assessment methods evaluate the ecological integrity of urban development and equity of the resulting resource distribution The examination focuses on the instruments of environmental assessment approaches to environmental assessment based in systems thinking methods for environmental economic and social assessments their use in evaluating the sustainability of urban development The Sustainable Urban Development Series contains the research and debate of the BEQUEST Building Environmental Quality Evaluation for Sustainability network funded by the European Commission Together the books provide a framework set of protocols environmental assessment methods and toolkit for policy makers academics professionals and advanced level students in urban planning and studies as well as other areas of the built environment Total Sustainability in the Built Environment Alison Cotgrave, Mike Riley, 2012-12-06 The first textbook in sustainable construction bringing together the whole range of topics from planning through to facilities management in an accessible and engaging way and complete with illustrations and photographs Written by experts and including real world case studies this book can be used as a core text or across several modules The book begins with planning issues after which each chapter charts the different stages of the construction process through to refurbishment of existing buildings This textbook is aimed at undergraduate Built Environment and Construction students or pre degree HND FD students in Architectural Technology and Architecture Building Surveying General Practice Surveying Urban Planning Property Management Quantity Surveying Construction Management Facilities Management and general programmes focussed on the environment It will also be of interest to professionals working for construction and property companies as there are so few resources that give a complete overview of sustainability in construction New Aspects of Quantity Surveying Practice Duncan Cartlidge, 2012-09-10 The past decade has seen dramatic changes in the construction industry and the quantity surveying profession The Latham and Egan reports and a client led crusade for value for money is driving Quantity Surveyors to adopt these changes In addition the industry and the profession now stands on the threshold of the e commerce revolution one which has so far failed to penetrate the working practices of the majority of surveyors particularly SMEs Duncan Cartlidge addresses the evolving market in which today s Quantity Surveyors work examining the new construction culture new procurement strategies e practice and the QS changing markets delivering added value supply chain management and partnering The book is recommended reading for students of quantity surveying and an essential guide for all surveying professionals seeking to familiarise themselves with the latest developments **Landscape Architect's Pocket Book** Siobhan Vernon, Nicola Garmory, Rachel Tennant, 2009-01-23 1 Hard landscape 2 Soft landscape 3 Planning and legislation 4 Design Guidelines 5 General rules of thumb 6 Graphics Life Cycle Assessment Tools to Measure Environmental Impacts Richard Dooley, 2002 A Carbon Primer for the Built Environment Simon Foxell, 2014-01-03 In a world increasingly concerned about the impact of carbon dioxide and other greenhouse gases in the atmosphere on global climate the A Carbon Primer for the Built Environment will

provide an understanding of the science and the public policy and regulation intended to tackle climate change It will spell out the essential information needed for navigating through the growing regulatory maze with confidence The book will Provide an explanation of climate change why carbon has been targeted as the main culprit and how this will impact the working lives of architects Explain key concepts such as carbon footprinting contraction convergence concentration based targets the Energy Performance of Buildings Directive decarbonising supply and reducing energy demand as well as the relevance of relevant government targets and international agreements Suggest an overall framework for achieving the carbon reduction targets and the requirements that will place on building designers Outline requirements and common standards and codes providing guidance on compliance mechanisms Suggest and examine likely models for future practice The book will be essential reading for anyone wanting to familiarise themselves with the new landscape of carbon reduction in the built environment with a particular focus on building design It will also provide an accessible reference volume for information on particular policies terms and initiatives as well as key data and numbers that will assist initial carbon calculations



## **Green Guide To Specification** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Green Guide To Specification**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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architect engineer aec american engineering council aesc american engineering standards committee

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