

The book was found

Material Design



Synopsis

The approach of ""Informing Architecture by Materiality"" opens the way to an innovative use of materials in the design professions. Taking material qualities and properties such as texture, elasticity, transparency and fluidity as a point of departure, the concept described and employed here transcends the conventional definitions of building materials. Instead, the focus is on a multitude of material operations, like folding and bending, carving and cutting, weaving and knitting, mirroring and screening. The featured design strategies and methods address established and ""new"" materials alike. They are applied both to the scale of the detail and the entire building. The examples comprise prototype structures as well as large building projects. Eight chapters deal with surfaces and layers, joints and juctions, weaving and texturing, nanoscale transformations, responsiveness, the integration of ephemeral factors like wind and light as well as material collections providing professional resources. Written by reknowned experts in this field, the book features many examples from international contemporary architecture. The introductory part provides the conceptual background, while a final chapter describes consequences for pressing issues of today, like sustainability or life cycle assessment.

Book Information

Hardcover: 192 pages

Publisher: Birkhäuser Architecture; 1 edition (October 26, 2010)

Language: English

ISBN-10: 3034600356

ISBN-13: 978-3034600354

Product Dimensions: 9.3 x 0.9 x 12 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #1,545,705 in Books (See Top 100 in Books) #357 in Books > Engineering & Transportation > Engineering > Reference > Architecture > Study & Teaching #660 in Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials #2223 in Books > Arts & Photography > Architecture > Interior Design

Customer Reviews

Material design is an engaging book that is inspiring and informative. Shropfer has a wonderful insight into this topic. Each chapter has case studies that showcase the title topic. It shows the strength of the bond between technology, research, and design, which when used symbiotically

create an atmosphere for progress.

Great book for understanding materials innovation and the use of traditional materials in Architecture, something Architects need to take on account on project innovation.

Wonderful book! I would buy it again if I ever lost it. It's got six different points of view on materials. Some are great.

[Download to continue reading...](#)

WordPress Web Design Made Easy: Intermediate Level - (Part II of Wordpress Made Easy Series): Designed with the latest version of WordPress 4.5.3 - (Intermediate Level) - Also includes bonus material Material Innovation: Packaging Design Material Design Radar Absorbing Material Design Feng Shui: Wellness and Peace- Interior Design, Home Decorating and Home Design (peace, home design, feng shui, home, design, home decor, prosperity) DIVINE TRUTHS REVEALED: A Glimpse Behind the Veil of the Material World Japanese Swords: Cultural Icons of a Nation; The History, Metallurgy and Iconography of the Samurai Sword (Downloadable Material) How to repair musical boxes: Practical instructions of materials to watchmakers : with complete illustrated catalogue of material Ultimate Wrap Bracelets: Make 12 Easy, Stylish Bracelets Step-by-Step (Downloadable Material Included) Woodcarving: Tools, Material & Equipment, Volume 1 Manuscript Miscellanies in Early Modern England (Material Readings in Early Modern Culture) Step by Step Soap Making: Material - Techniques - Recipes Fundamentals of Aircraft Material Factors (2nd ed - JS312646) Semiconductor Material and Device Characterization Laser Material Processing Deformable Bodies and Their Material Behavior Atlas of the Basal Ganglia, Brain Stem and Spinal Cord Based on Myelin-stained Material Material Strategies: Innovative Applications in Architecture (Architecture Briefs) Lusitania: The Cunard Turbine-Driven Quadruple-Screw Atlantic Liner: Authentically Reproduced from a Rare 1907 Commemorative Edition of 'Engineering', with Additional New Material Selected by... Ex-Boyfriend Material

[Dmca](#)