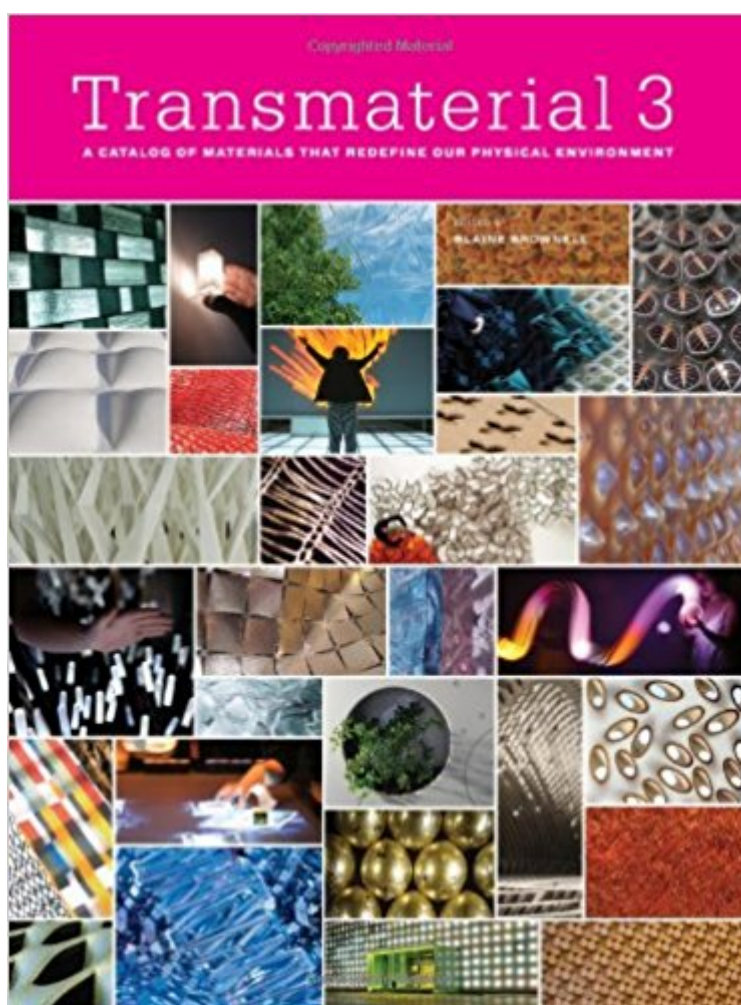


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Transmaterial 3: A Catalog Of Materials That Redefine Our Physical Environment



Synopsis

Since the 2006 publication of his best-selling first volume of *Transmaterial*, author Blaine Brownell has become the undisputed master of new materials, inspiring architects and designers looking to transform the structure, spaces, and surfaces of their projects with the latest high-tech and environmentally friendly products. The third volume in the critically acclaimed series presents over two hundred emergent materials, products, and systems that have significant potential to transform the constructed world. *Transmaterial 3* provides a broad synopsis of the state of technological advances in materials today with a special emphasis on new developments in the field of biopolymers and various agriculturally derived products; biomimetic products, systems, and processes that seek to emulate natural examples including low-embodied-energy and biochemically manufactured products; "grown" materials; nanoscale marvels; renewable energy technologies; "second-life" materials derived from repurposed waste; and responsive, interactive, and transformational digital interfaces that harness pervasive communication networks and are powered by low-energy illumination sources. An excellent ideas generator, *Transmaterial 3* is an indispensable tool for any architect or designer looking to keep up with the current trends in the field of materials.

Book Information

Paperback: 251 pages

Publisher: Princeton Architectural Press; 1 edition (April 1, 2010)

Language: English

ISBN-10: 1568988931

ISBN-13: 978-1568988931

Product Dimensions: 6.9 x 0.8 x 9 inches

Shipping Weight: 1.6 pounds

Average Customer Review: 5.0 out of 5 stars 5 customer reviews

Best Sellers Rank: #461,849 in Books (See Top 100 in Books) #178 in [Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials](#) #444 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Materials Science](#) #1210 in [Books > Textbooks > Humanities > Architecture](#)

Customer Reviews

"Those in need for materials inspiration, Blaine Brownell just announced the publication of 'A Catalog of Materials that Redefine our Physical Environment', also known as *Transmaterial 3*. The

third volume of the Transmaterial series features over 200 emergent materials, products, and systems that have significant potential to transform the constructed world. Within the fast moving world of materials, we consider Transmaterial 3 a good way for architects and designers to keep up with the current trends in the field of materials. For an impression of the book and some fresh materials - checkout the recently updated website at transmaterial.net which offers a free newsletter with weekly materials." --Core77: Design Magazine & Resource"Transmaterial 3 just came out! If you are not familiar with this series, you should definitely pick one up. A great resource and inspirational guide to all kinds of innovative materials, techniques and applications." --Because We Can"Now in its third edition the physical manifestation of the popular Transmaterialwebblog has recently been released by the publisher and is now available at your book outlet of choice. Mine arrived from Monday (to my surprise, I pre-ordered and completely lost track of time)." --Cleveland Design City"With more than 200 materials, organized by category, described, pictured, and annotated with technical and sourcing information, this catalog is an essential tool for any architect or designer interested in keeping up with the rapid developments in the field of materials, looking for a source of inspiration of their designs, or just eager to get their hands on real materials in an effort to understand the incredibly innovative palette now available to us." --MAC International, February 2010

Blaine Brownell is an architect, sustainable building advisor, and material researcher. He is the founder and director of the design/research firm Transstudio, and has taught at the University of Michigan and the University of Minnesota. He was selected for a 2006 "40 Under 40" award by Building Design & Construction magazine, and was the recipient of a Fulbright fellowship to Japan for 2006-2007, during which time he researched contemporary Japanese material innovations at the Tokyo University of Science.

The latest edition of the Transmaterial series does not depart from the style or content of the two previous volumes - if you like them, you will enjoy this one. As before, new materials and applications of those materials are organized by material type in one-page summaries. I enjoy this approach, and enjoy the fact that I never know what I'll find on the next page. Two minor criticisms of this approach - the Transmaterial series does not differentiate between "starting materials" that are a fundamental part of something built, and "finished goods" which are commercial applications of many different parts. Sometimes this book feels like a reference guide, and sometimes like a product catalog. I'd like to see materials broken down by the degree of "rawness" vs. finished

polish. A second minor criticism is that the author solicits product submissions for consideration for inclusion in the book. While his judgement is very good, I find that several companies have multiple entries in the book in which the core technology is identical in several different "market ready" products. This reflects that innovative companies find multiple uses for their technology, all of which are original and imaginative. Still, this gives the book the feel that it is disproportionately weighting certain companies - perhaps unwittingly favoring them. It's a subtle bias that I don't object to, but I'd like to bring it to attention. I hope the author continues the work and play evident in this volume, and in the future expands to touch on more of the "unsung heroes" of the material world.

fantastic resource

Loved it . I have Transmaterial one and two and look forward to the next. This is a very useful book as I am a designer and reference this often.

I love exploring and discovering new materials and prototypes! This book is an amazing intro to the great potential we have to create, innovate and transform our very lives...

This is the third edition of Transmaterial and we are happy to own so far all of them. It gives a brief insight of architectural research and materiality with a lot of chance for actual use on projects. We so much appreciate Blaine Brownell's work who I got to know once personally - a true intellectual with a strong vision. Go on, Blaine, and give us more of this!

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