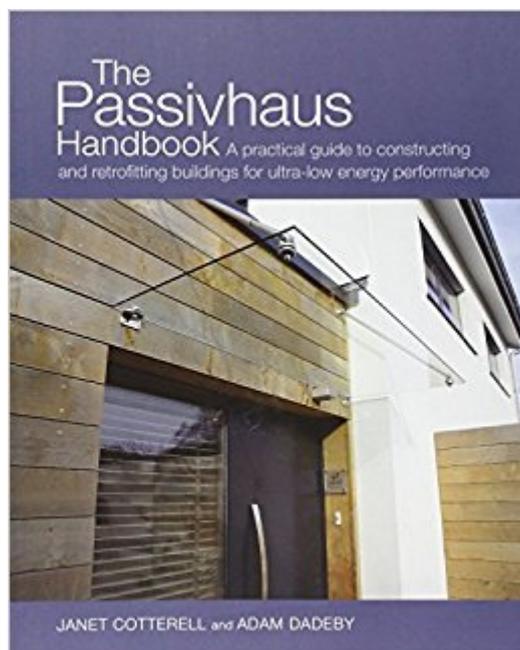


The book was found

# The Passivhaus Handbook: A Practical Guide To Constructing And Retrofitting Buildings For Ultra-Low Energy Performance (Sustainable Building)



## Synopsis

An essential guide for anyone wanting to realize a supremely comfortable, healthy, and durable home with exceptionally low energy costs, this book brings together current thinking and best practice in Passivhaus design. This type of design focuses on getting the building fabric right, to achieve ultralow energy consumption in the most cost-effective manner. The approach is relevant to a wide range of building types and climates. Whether you are building an extension, retrofitting your house or starting from scratch, and whether you are new to low-energy design or already have some experience, this book will help you navigate around the potential pitfalls and misconceptions. The book includes a clear explanation of the underlying building physics and terminology; detailed information on key elements of Passivhaus: avoiding air leakage, designing out thermal (cold) bridges, moisture management, and ventilation strategy. It offers practical advice on setting up a project, including developing a motivated project team, and a discussion of economic considerations and the policy context in the UK. As pressure on global resources increases and energy prices continue to rise, the Passivhaus approach, proven over 20 years, meets the challenge of ultralow-energy building for the future.

## Book Information

Series: Sustainable Building

Paperback: 256 pages

Publisher: UIT Cambridge Ltd. (July 1, 2012)

Language: English

ISBN-10: 0857840193

ISBN-13: 978-0857840196

Product Dimensions: 8 x 0.7 x 10 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #570,236 in Books (See Top 100 in Books) #241 in [Books > Arts & Photography > Architecture > Sustainability & Green Design](#) #1157 in [Books > Crafts, Hobbies & Home > Sustainable Living](#) #1160 in [Books > Engineering & Transportation > Engineering > Reference > Architecture](#)

## Customer Reviews

I waited a while to read it because I thought it might be too technical but it isn't. Easy and informative to read. Gives the basics of Passivhaus so that you can decide whether you want to find

a designer and contractor to help you build one. Some info I skipped because it was directly related to policies in the UK but most of the info applies to any location.

Good book to understand the basic concepts of Passivhaus (air barriers & insulation & air barriers & did I mention insulation). The only thing to note for US readers is that this IS written for the UK, and there are differences between building methods and nomenclature (U-value vs. R-value). That being said, I'd recommend this book to anyone who is curious about Pasivhaus.

For the first full scale English language discussion of the revolutionary Passivhaus technology there really is nothing else out there to compare. Now that the Passivhaus Institute has this year released its own English language guidebook there is some competition or at least additional information for a large part of the world's population. Starting with a summary of Passivhaus history and aims those unfamiliar with this revolutionary approach have a good background to examine the ideas further. Subsequent chapters delve into the foundational elements involved - insulation, windows, air-tightness, mechanical and heat recovery ventilation, and the Passivhaus Planning Software package that helps guide all new builds to meet the standard. A summary of various owners experience of living in a Passivhaus is very helpful. The appendices contain much more useful information. The authors share their experience of their own UK work, sourcing of elements and local building requirements. They also explore the 2016 European Union goal of zero energy houses and how this will impact the demand for buildings like Passivhaus. As a starter to understand the ethos and practicality of this building approach for English speakers it is extremely helpful and well laid out for further review. Such building approaches will become the norm the very near future. Already a number of German cities have adopted this rigorous standard for all new builds.

This book has some good information on what a Passive House is, as well as design strategy/considerations. It does not provide a lot of information on current best practices for construction of a Passive House. I was looking for some more information on how to achieve the very aggressive level of air tightness required to meet the standard. I am guessing this is probably one of the more challenging aspects of this building technique and it would have been nice to see some tricks/tips on how to seal around windows/doors/perforations/rim joists/at the ceiling roof junction/etc.

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

The Passivhaus Handbook: A Practical Guide to Constructing and Retrofitting Buildings for

Ultra-Low Energy Performance (Sustainable Building) Low Energy Low Carbon Architecture: Recent Advances & Future Directions (Sustainable Energy Developments) Low salt. Low salt cooking. Low salt recipes.: Saltless: Fresh, Fast, Easy. (Saltless: NEW fresh, fast, easy low salt, low sodium cookbook) (Volume 2) Round Buildings, Square Buildings, and Buildings that Wiggle Like a Fish Low Carb Dump Meals: 25 Easy, Delicious and Healthy Dump Dinner Recipes You Won't Believe Are Actually Low Carb!: (low carbohydrate, high protein, low ... Ketogenic Diet to Overcome Belly Fat) The Renewable Energy Handbook: A Guide to Rural Energy Independence, Off-Grid and Sustainable Living Passive Low Energy Cooling of Buildings Low Carb Aroma Rice Cooker: 50 Easy, Low Carb and Paleo Recipes with Your Rice Cooker for Busy People (Low Carb Meals & Rice Cooker) Low Carb: The Low Carb Dessert BIBLEÂ© with over 200+ Decadent Recipes (The Ultimate Low Carb Dessert CookBook for Rapid Weight Loss) Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources Prefabulous and Sustainable: Building and Customizing an Affordable, Energy-Efficient Home Construction Materials, Methods and Techniques: Building for a Sustainable Future (Go Green with Renewable Energy Resources) Audubon House: Building the Environmentally Responsible, Energy-Efficient Office (Wiley Series in Sustainable Design) Constructing Walking Jazz Bass Lines Book IV Building a 12 key facility for the jazz bassist Electric Bass Tab edition( book & mp3 playalong ) The Hempcrete Book: Designing and Building with Hemp-Lime (Sustainable Building) Re-engineering for Sustainable Industrial Production: Proceedings of the OE/IFIP/IEEE International Conference on Integrated and Sustainable ... in Information and Communication Technology) Minecraft Handbook: The Ultimate Creations Guide, For Beginners to Advanced (Minecraft Handbook Guide Book with Building Videos) (Secret Minecraft Handbook Guide) The Renewable Energy Home Handbook: Insulation & energy saving, Living off-grid, Bio-mass heating, Wind turbines, Solar electric PV generation, Solar water heating, Heat pumps, & more The Art and Science of Low Carbohydrate Living: An Expert Guide to Making the Life-Saving Benefits of Carbohydrate Restriction Sustainable and Enjoyable Building Handbook: The Amazing Island Castle: Step By Step Guide (The Unofficial Minecraft Building Handbook)

[Dmca](#)