

Building design and housing catalogue



iHS



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New

Changing energy behaviour in the workplace

Discover the psychological theory underpinning behaviour change and how it relates to energy use in the workplace. This guide reviews the role of feedback as a change mechanism and the use of interfaces such as eco-visualisation to motivate and maintain change, using examples from BRE research.

FB 73

Timber in construction

A collection of BRE expert guidance on timber materials, applications and performance

A valuable reference library of BRE Digests and Information Papers on timber materials, applications and performance. This pack is one of a series of compilations of BRE expert guidance and advice on the built environment, each offering exceptional value for construction professionals.

BRE Expert Collection 2, AP 300



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Best-sellers



Delivering sustainable buildings

Savings and payback

Learn about the costs and payback of design and construction strategies that enhance building sustainability and help to achieve BREEAM ratings. This report looks at low-cost or no-cost actions that can be used to enhance building sustainability as well as those processes that must be built into the project by the end of concept stage to minimise costs.

FB 63

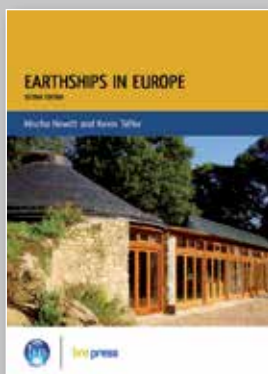


Housing in the UK

National comparisons in typology, condition and cost of poor housing

Examine this comparison of the housing stock profile and condition statistics from England, Scotland, Wales and Northern Ireland, together with a quantification of the total repair bill and cost of poor housing in the UK.

FB 62



Earthships in Europe

Evaluate the building of the first earthships in Europe. The new edition of this successful book, which includes case studies and post-construction monitoring, gives design recommendations to make earthships more effective in different climatic conditions.

EP 102, 2nd edition



Lifetime Homes design guide

Learn how to design homes to meet the changing needs of households using the principles of inclusivity, accessibility, adaptability, sustainability and good value. These design solutions will enable easy adaptation and cost savings in the future.

EP 100

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Essential reading

Quantifying the health benefits of the Decent Homes programme

A summary of unique research to quantify how much the improvements to social housing arising from the Decent Homes programme (2001–2010) have reduced costs to the NHS in treating housing-related injuries and illnesses. The work that remains in terms of dealing with homes that are non-decent and in maintaining 'decent' dwellings is also discussed.

FB 64

The cost of poor housing in London

Find out how improving housing conditions in London could save the NHS millions of pounds each year by reducing physical and mental illness caused by poor living conditions. This report summarises the results of a research project to apply a methodology to calculate the cost of poor housing in England to the housing stock of London.

FB 65

The cost of poor housing in Northern Ireland

What is the condition of the housing stock in Northern Ireland, and what impact does poor housing have on health costs? This report, commissioned by the Northern Ireland Housing Executive and BRE Trust, shows how the NHS could save £33 million per year.

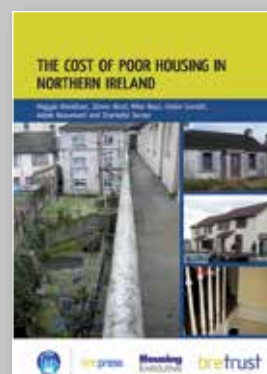
FB 45

The age and construction of English homes

A guide to ageing the English housing stock

Get detailed information on typical designs and features of English houses built at different periods over the last 200 years. This unique guide provides a framework and list of characteristics to look for when ageing buildings.

FB 71



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Essential reading



Environmental impact of windows

Understand the significant benefits and impacts of windows over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how window units and frames have been assessed within *The Green Guide to Specification*.

FB 66



Environmental impact of brick, stone and concrete

Understand the significant benefits and impacts of brick, stone and concrete over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how these materials have been assessed within *The Green Guide to Specification*.

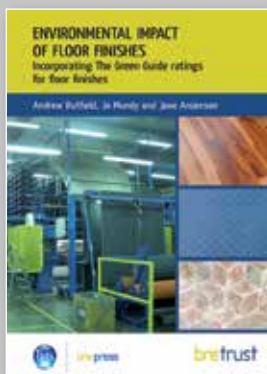
FB 58



Environmental impact of metals

Understand the significant benefits and impacts of metals over their life cycle and identify opportunities for improvements to their environmental performance. This report reviews how metals have been assessed within *The Green Guide to Specification*.

FB 57



Environmental impact of floor finishes

Incorporating The Green Guide ratings for floor finishes

Understand the significant benefits and impacts of floor finishes over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how floor finishes have been assessed within *The Green Guide to Specification*, and includes the ratings for floor finishes.

FB 39

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Essential reading

Environmental impact of vertical cladding

Understand the significant benefits and impacts of external wall cladding products over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how external wall cladding materials have been assessed within *The Green Guide to Specification*.

FB 38

Environmental impact of insulation

Understand the significant benefits and impacts of insulation products over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how insulation materials have been assessed within *The Green Guide to Specification*.

FB 37

Refurbishing stairs in dwellings to reduce the risk of falls and injuries

Learn how to reduce the risks associated with falls on domestic stairs and steps. This report considers the aspects of poor stair design that can be repaired or replaced in order to mitigate most of these risks.

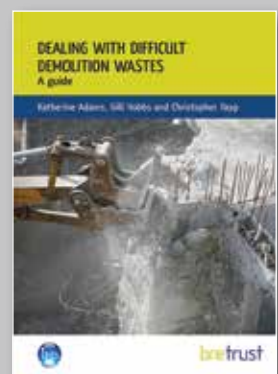
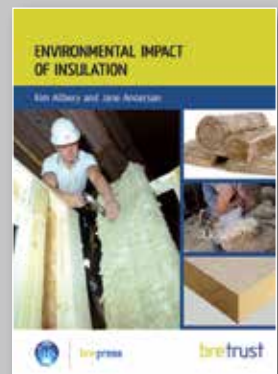
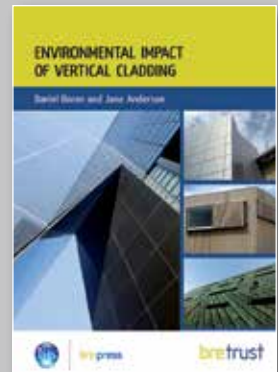
FB 53

Dealing with difficult demolition wastes

A guide

Get guidance on waste management routes and how to improve reuse, recycling and recovery of 'difficult' demolition wastes, such as carpet underlay, insulated concrete formwork, industrial batteries, structural insulated panels (SIPs) and smoke alarms.

FB 54



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Essential reading



Structural appraisal of existing buildings, including for a material change of use

This comprehensive 4-part Digest gives guidance on the structural appraisal of existing buildings, including making a structural appraisal for a material change of use.

DG 366, 4-part set

Saving money, resources and carbon through SMARTWaste

Gain an overview of SMARTWaste Plan, the online tool developed by BRE to help users to prepare, implement and review their site waste management plans. This report provides detailed performance indicators of waste arisings for both newbuild and refurbishment projects.

FB 48

Handbook for the structural assessment of large panel system (LPS) dwelling blocks for accidental loading

Get new guidance on the structural assessment and strengthening options for large panel system (LPS) dwelling blocks, focusing primarily on their resistance to accidental loading associated with gas explosions.

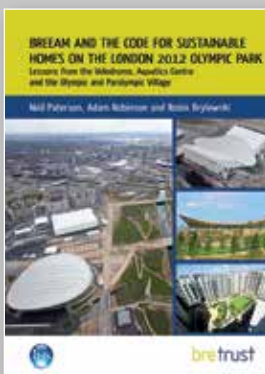
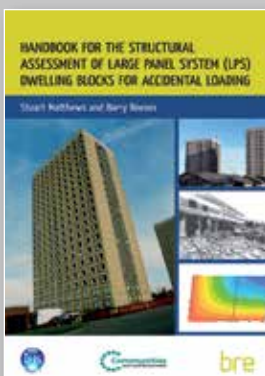
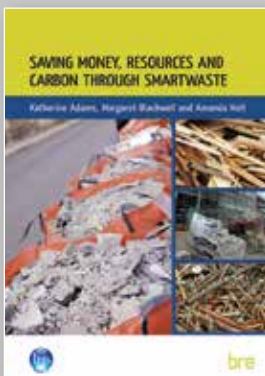
BR 511

BREEAM and the Code for Sustainable Homes on the London 2012 Olympic Park

Lessons from the Velodrome, Aquatics Centre and the Olympic and Paralympic Village

Share in the lessons learned about sustainable design and construction on this exceptional project: the use of BREEAM on two Olympic venues and the Code for Sustainable Homes on the Olympic and Paralympic Village.

FB 47



Essential reading

Ninety years of housing, 1921–2011

Learn about key changes to the UK's housing stock since 1921. This report focuses on trends relating to living standards, energy use and carbon emissions. It also looks forward to 2050 to consider the further changes necessary to meet carbon emission reduction targets.

FB 46

Designing resilient cities

A guide to good practice

Review the future performance of urban development and regeneration-related 'sustainability solutions' with this guide, which provides insights into the impacts of planning/design decisions and incorporates changing priorities and different ways of thinking.

EP 103

Earth building

History, science and conservation

Explore strategies for the analysis and conservation of earth buildings, including adobe, cob and rammed earth. Richly illustrated with photographs and diagrams of buildings from around the world, this book provides an invaluable tool for the conservator, architect and engineer.

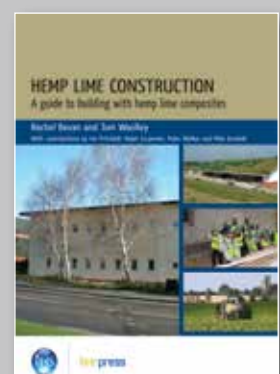
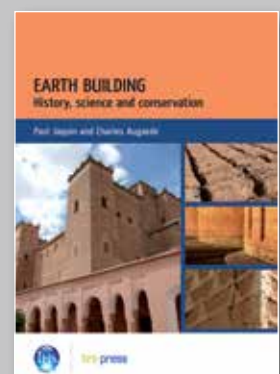
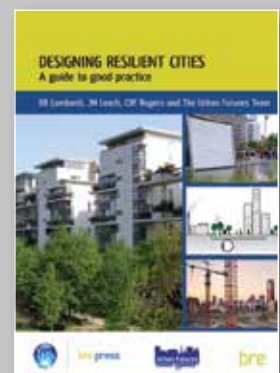
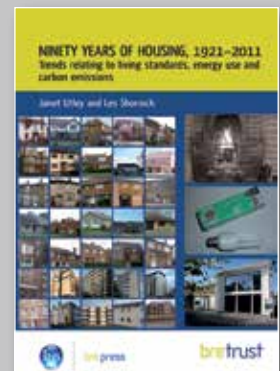
EP 101

Hemp lime construction

A guide to building with hemp lime composites

The first complete guide to building with hemp lime, this fully illustrated book gives you numerous examples and design details to enable practical construction with this novel, sustainable material.

EP 85



Multi-media



BRE Good Building Guides and Good Repair Guides

A library of information for all construction professionals

This CD-ROM compilation gives you access to a huge training resource of practical guidance and expertise from BRE. It contains over 150 BRE Good Building and Repair Guides in pdf format, which cover a range of topics, including: achieving airtightness, basement construction, fixing and finishing plasterboard, installing thermal insulation, loft conversion, plastering, radon protection, roofing, water services and many more!

AP 281



Non-traditional houses

Identifying non-traditional houses in the UK 1918-75

A wealth of information and advice is brought together in this comprehensive, highly illustrated CD on non-traditional houses. This unique classified reference details 450 house types, with isometric drawings, photos and supporting material.

AP 294 **NEW FORMAT**

Get a wealth of expertise with the BRE Expert Collections

The BRE Expert Collections provide pdf compilations of BRE Digests, Good Building Guides, Good Repair Guides and Information Papers on specific built environment topics. Each compilation gives guidance and advice from industry experts at BRE and offers exceptional value for construction professionals.

1 Concrete in construction

Concrete materials, applications and performance
AP 299

2 Timber in construction

Timber materials, applications and performance
AP 300

3 Climate resilience

Managing climate risks in the built environment
AP 301

4 Resource efficiency, site operation and handover

Construction site operation and management
AP 302

5 Air quality, radon and airtightness

Design and construction of new and existing buildings
AP 303

6 Daylight and shading

Designing for daylight and sunlight, and shading of buildings
AP 304

Further BRE Expert Collections will follow on fire and security, condensation and dampness, sustainability, energy and more . . .

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