

BRE Expert Collection 2

# Timber in construction

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





# Introduction

### Welcome to the BRE Expert Collections.

IHS BRE Press is the exclusive publisher of BRE publications. Publications are produced in various series, which are outlined below. Information on how to purchase BRE publications is given on the next page, together with information about BRE and IHS.

This pdf contains a valuable collection of short BRE publications on timber materials, applications and performance. It is one of a series of collections of BRE expert guidance and advice on the built environment, each offering exceptional value for construction professionals.

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Information about BRE can be found HERE.

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**BRE Building Elements series** 

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# **BRE Expert Collections**

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

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# Recognising wood rot and insect damage in buildings

This best-selling book retains its popular spiral-bound format, giving clear and authoritative guidance on the process of inspecting buildings for timber damage and on identifying the causes. BR 453

# Multi-storey timber frame buildings: a design guide

Essential reading for all building professionals responsible for the design and construction of multi-storey timber frame buildings. Get design and best practice guidance on: structural stability and robustness, fire safety, differential movement, construction benchmarking, the construction process and building tolerances. BR 454

### A guide to the use of urban timber

Learn how to make best use of wood residue from the urban timber resource. This illustrated guide gives information on selecting species and processing methods to enable both common and exotic UK urban tree species to enter the solid wood market. FB 50

#### **ALSO AVAILABLE**

Timber-frame dwellings: Section 6 of the Domestic Technical Handbook (Scotland): Energy

Find out how timber-frame construction can meet the energy requirements of The Building (Scotland) Regulations. Worked examples are given for different dwelling types and 17 wall, roof and floor constructions. SD 6

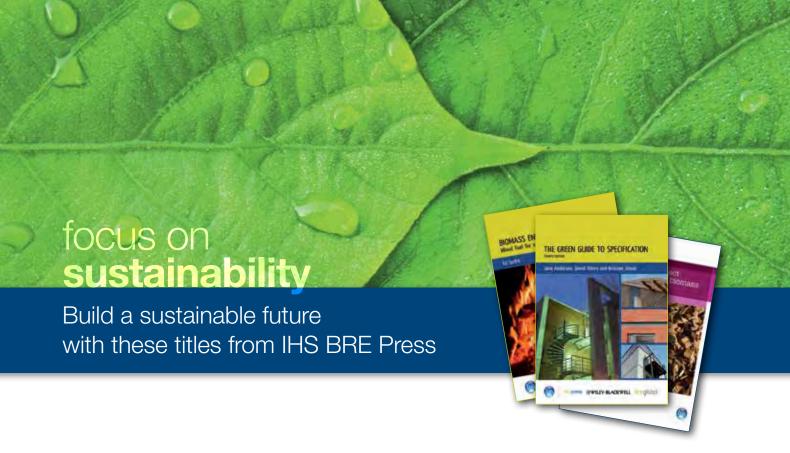
Insulation of timber-frame construction: U-values and regulations for the UK, Republic of Ireland and Isle of Man

Explore timber-frame wall construction solutions that are capable of achieving high insulation levels using existing technologies. Timber-frame insulation solutions lend themselves to going significantly beyond the thermal performance requirements of current building regulations, and have the potential to address the future aim of zero-carbon housing. SD 7









# Biomass energy: Wood fuel for space and water heating

Investigate the opportunities for using wood fuel for space and water heating in commercial, public and domestic buildings. This report outlines the fuel and boiler options, discusses supply chain, planning and regulations, economics and costs, and includes 24 case studies. FB 36

### The Green Guide to Specification

Need to reduce the environmental impact of your buildings? This guide is your essential tool for informed and responsible selection of construction materials and components. 4th edition BR 501

# Environmental impact of biomaterials and biomass

Understand the significant benefits and impacts of biomaterials and biomass over their whole life cycle and identify opportunities for improvements to their environmental performance. This report reviews how biomaterials and biomass have been assessed within The Green Guide to Specification. FB 67

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#### Low-impact building materials

Learn about the use of low-impact construction materials with these introductory guides. The 5-part set covers hemp lime, straw bale, unfired clay masonry, cross-laminated timber and natural fibre insulation. AP 289 (5-part set)

## Responsible sourcing of materials in construction

Concise straightforward guidance on how to go about the responsible sourcing of construction products. It gives an update of a fast-moving area for anyone who owns or is accountable for the construction, refurbishment or maintenance of buildings. IP 3/13









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### Floors and flooring

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Identify the causes of dampness, explore its effects and learn how to provide remedial measures. Discover how to tackle problems that exist in spite of all the available technical advice. BR 466









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