

Resource efficiency, site operation and handover

A collection of BRE expert guidance on construction site operation and management



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 construction site resource efficiency, operation and management. 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.

Adobe Acrobat Reader X or later for Windows or Macintosh is required to run this pdf. The pdf can be searched using the bookmarks panel and the links from the emboldened text on the Contents pages.

BRE publication types

Digests are authoritative summaries of the state-of-the-art on specific topics in construction design and technology. They draw on BRE expertise and provide essential support for all involved in design, specification, construction and maintenance.

Information Papers summarise recent innovation and research findings, and give advice on how to apply this information in practice.

Good Building Guides give concise guidance on the principles and practicalities of achieving good-quality building. These highly illustrated practical guides draw on BRE experience and research, and other sources, to provide clear technical advice and solutions.

Good Repair Guides are an extensively illustrated series, providing practical information on the identification, diagnosis and repair of defects. Good Repair Guides look at what went wrong, explain why, and give practical advice on how to put it right.

Books, reports and manuals present research, innovation, best practice and case studies in more detail.

BRE Connect Online is an online subscription to **all** BRE publications. Information about BRE Connect Online is included [HERE](#).

Buying BRE publications

Online: www.brebookshop.com to order hard copy and pdf publications

Tel: +44 (0) 1344 328038, Email: brepress@ihs.com

Mail: IHS BRE Press, Willoughby Road, Bracknell RG12 8FB, UK

About BRE

BRE Group (BRE) is a world-leading centre of built environment expertise, research and training, and includes a third-party approvals organisation offering certification of products and services to international markets.

BRE is owned by BRE Trust, the largest UK charity dedicated specifically to research and education in the built environment. BRE Trust uses the profits made by BRE to fund new research and education programmes that advance knowledge, innovation and communication for public benefit.

Information about BRE can be found [HERE](#).

About IHS

IHS (NYSE: IHS) is the leading source of information, insight and analytics in critical areas that shape today's business landscape. Businesses and governments in more than 165 countries around the globe rely on the comprehensive content, expert independent analysis and flexible delivery methods of IHS to make high-impact decisions and develop strategies with speed and confidence. IHS is the exclusive publisher of BRE publications.

IHS Global Ltd is a private limited company registered in England and Wales (no. 00788737).

Registered office: Willoughby Road, Bracknell, Berkshire RG12 8FB. www.ihs.com

Information about IHS can be found [HERE](#).

Any views expressed in this publication are not necessarily those of BRE or IHS. BRE and IHS have made every effort to ensure that the information and guidance in this publication were accurate when published, but can take no responsibility for the subsequent use of this information, nor for any errors or omissions it may contain. To the extent permitted by law, BRE and IHS shall not be liable for any loss, damage or expense incurred by reliance on the information or any statement contained herein.

© IHS 2015. No part of this publication may be reproduced or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or be stored in any retrieval system of any nature, without prior written permission of IHS. Requests to copy any part of this publication should be made to:

The Publisher, IHS BRE Press, Garston, Watford, Herts WD25 9XX, UK
Tel: +44 (0) 1923 664761, Email: brepress@ihs.com

AP 302

ISBN 978-1-84806-400-3

Designed and published by IHS BRE Press

Any third-party URLs are given for information and reference purposes only and BRE and IHS do not control or warrant the accuracy, relevance, availability, timeliness or completeness of the information contained on any third-party website. Inclusion of any third-party details or website is not intended to reflect their importance, nor is it intended to endorse any views expressed, products or services offered, nor the companies or organisations in question.

For enquiries concerning the research reported in BRE publications, please contact:

The SMARTWaste team: Tel. +44 (0)1923 664471; Email smartwaste@bre.co.uk; www.bre.co.uk

Contents

Resource efficiency

Better building: integrating the supply chain – a guide for clients and their consultants	DG 450
Composting in the construction industry	IP 3/05
Construction site packaging wastes: a market position report	IP 8/02
Non-ferrous metal wastes as aggregates in highway construction	IP 8/06
Offsite construction: an introduction	GG 56
Reclamation and recycling of building materials: industry position report	IP 7/00
Recycling fibre reinforced polymers in the construction industry	IP 4/04
Responsible sourcing of materials in construction	IP 3/13
Using small volume wastes in construction	IP 9/05

Site operation

Cleaning buildings: legislation and good practice	DG 448
Construction site communication:	
Part 1 – General	GG 54-1
Part 2 – Masonry	GG 54-2
Construction logistics: an introduction	DG 459
Controlling particles, vapour and noise pollution from construction sites:	
Part 1 – Pre-project planning and effective management	PCG 1
Part 2 – Site preparation, demolition, earthworks and landscaping	PCG 2
Part 3 – Haulage routes, vehicles and plant	PCG 3
Part 4 – Materials handling, storage, stockpiles, spillage and disposal	PCG 4
Part 5 – Fabrication processes and internal and external finishes	PCG 5

Whole building commissioning:	
Part 1 – A guide for clients	IP 8/04-1
Part 2 – A guide for designers	IP 8/04-2
Part 3 – A guide for specifiers	IP 8/04-3
Part 4 – A guide for facilities managers	IP 8/04-4
Working with local businesses and residents	GG 71
Handover	
HOBO protocol: handover of office building operations	DG 474
BRE Expert Collections	
Related books 1	
Related books 2	
BRE Building Elements series	
BRE Connect Online subscription service	

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.

- 1 Concrete in construction**
A collection of BRE expert guidance on concrete materials, applications and performance
- 2 Timber in construction**
A collection of BRE expert guidance on timber materials, applications and performance
- 3 Climate resilience**
A collection of BRE expert guidance on managing climate risks in the built environment
- 4 Resource efficiency, site operation and handover**
A collection of BRE expert guidance on construction site operation and management
- 5 Air quality, radon and airtightness**
A collection of BRE expert guidance on the design and construction of new and existing buildings
- 6 Daylight and shading**
A collection of BRE expert guidance on designing for daylight and sunlight, and shading of buildings

More BRE Expert Collections coming soon:

- Condensation and dampness
- Energy
- Fire and security
- Sustainability and green issues

focus on sustainability

Build a sustainable future
with these titles from IHS BRE Press



Dealing with difficult demolition wastes: a guide

Explore 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

Saving money, resources and carbon through SMARTWaste

Get 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

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

Deconstruction and reuse of construction materials

Get an overview of the waste arisings in the construction and demolition (C&D) industries and the legislative, strategic, fiscal and policy issues relating to deconstruction. It also explores how the deconstruction process can work effectively within the C&D and recycling industries. BR 418

Sustainability in the built environment: An introduction to its definition and measurement

Learn about the key issues and initiatives in defining and measuring sustainability, both in the UK and internationally. This report outlines a representative sample of the major tools and initiatives that encourage improved performance in this field. BR 502



Order @ www.brebookshop.com or phone +44 (0) 1344 328038

Available in print and pdf format

focus on site management

Get **clear technical advice**
with these titles from IHS BRE Press

Working with the community

A good practice guide for the construction industry

This Guide identifies typical impacts of construction projects on local people and businesses, and gives advice on how to mitigate some of the negative impacts. It will be useful to all construction companies committed to improving their relationship with the public. BR 472

Control of dust from construction and demolition activities

Explore a range of dust control measures for construction site processes, including the movement of construction plant, materials handling and storage, cutting, grinding, grit blasting, concrete batching and pouring. This guide also gives advice on pre-project planning, implementation and site management, together with checklists for construction-related activity of any size and type. BR 456

BRE Good Building Guides and Good Repair Guides

Get access to a huge training resource of practical guidance and expertise with this CD-ROM compilation 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 more! AP281



ALSO AVAILABLE

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)

Renewable energy technologies: key factors for successful installations

Find out about the major renewable energy technologies with these introductory guides. The 5-part set covers biomass, photovoltaic systems, large-scale low-carbon heating, ground source heat pumps and solar thermal systems. AP 287 (5-part set)



Order @ www.brebookshop.com or phone +44 (0) 1344 328038

Available in print and pdf format

focus on building elements

Build to last
with the BRE Building Elements series



The BRE Building Elements series provides more than 1500 pages of extensively illustrated practical details, descriptions and best practice advice provide an essential reference for all building professionals.

Roofs and roofing

Learn about the materials and production methods used to construct roofs and roofing. Focus on the features that ensure good performance and the things that go wrong so that they can be avoided. **3rd edition**
BR 504

Floors and flooring

Find out what to look for as good and bad features of floors and flooring. Get guidance on all floors, including screeds and underlays, as well as a range of finishes.
BR 460

Foundations, basements and external works

Review practical details and best practice about those parts of buildings in direct contact with the ground: foundations, piles, basements, drains, supply of utilities and boundary walls. BR 440

Building services

Explore the gamut of fuelled, piped, ducted, wired and mechanical facilities which extend over the whole age range of the UK's building stock. BR 404

Walls, windows and doors

Get practical guidance on the main vertical building elements, both external and internal, including walls, windows, doors, separating walls, partitions and internal doors. BR 352

Understanding dampness

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



Order @ www.brebookshop.com or phone +44 (0) 1344 328038

Available in print and pdf format and as individual books or as a set of 6
Quote ref. **AP 243** to buy all 6 books for £195 (a saving of £85!)



BRE Connect Online

Build on your foundation of **knowledge** and **expertise**

WHAT IS BRE CONNECT ONLINE?

BRE Connect Online gives you **access to the unrivalled expertise and insight of BRE** – the UK's leading centre of excellence on the built environment.

BRE Connect Online is an **annual subscription service** from IHS BRE Press giving online access to **over 1700 new and published BRE titles**

WHAT DO I GET?

ALL NEW AND PUBLISHED BRE TITLES

700 books, reports and guides – research, innovation, best practice and case studies, including:

- Foundations, basements and external works
- Roofs and roofing
- Site layout planning for daylight and sunlight
- The Green Guide to Specification
- Understanding dampness

250 Digests – authoritative state-of-the-art reviews

600 Information Papers – BRE research and how to apply it in practice

150 Good Building and Repair Guides – illustrated practical guides to good building and repair work

AND MUCH MORE ...

WHAT'S NEW IN 2015?

MORE THAN 50 NEW TITLES, INCLUDING:

- A technical guide to district heating
- Building on fill (new edition)
- Building in security at the design stage
- Dealing with damp and condensation
- Innovation in sustainable buildings
- Lighting and health
- Passive fire protection systems
- Radon: Guidance on protective measures for new buildings (new edition)
- Soakaway design (new edition)



All this for an annual subscription of only **£399 + VAT**
To view a demo, click **HERE**
Call now on +44 (0) 1344 328038 to **arrange a free trial**