



Structural Design  
Design Compliance & Disability Discrimination  
Act (DDA)  
Health & Safety  
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Construction Materials  
Building Utilities  
Sustainability  
Electrical

# Construction

Your guide to industry best practice

*raising standards worldwide™*

**BSI**  
Business  
Information

# Raising Construction Standards Worldwide

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Construction standards help you to keep your customers! They also assist with keeping your costs down and your safety profile high. The construction industry has seen and is continuing to encounter huge changes.

There has been a tremendous environmental push within the industry, both in materials used for construction and in the buildings themselves, but are they sustainable? Health and Safety aspects of construction have also been pushed to the forefront of the industry. Employers now need to ensure the safety of construction employees and the eventual users.

**Do you know which standards specifiers require for particular jobs?**

**Quoting the right standards may help you win and secure contracts!**

This new Construction catalogue contains BSI's latest construction publications, including books, CDs and online offerings, helping you make your business more effective. This is just a sample of our forthcoming products and tools.



## Design of Masonry Structures

Eurocode 6 covers the design of masonry structures. It applies to the design of buildings and civil engineering works, or parts in unreinforced, reinforced, prestressed and confined masonry. Eurocode 6 outlines the requirements for resistance, serviceability and durability of structures. All parts of Eurocode 6 will supersede BS 5628 parts 1-3 by March 2010.

### BS EN 1996-2:2006 Eurocode 6. Design of masonry structures. Design considerations, selection of materials and execution of masonry

BS EN 1996-2 gives basic rules for the selection of materials and execution of masonry to enable it to comply with the design assumptions of the other parts of Eurocode 6. With a few exceptions this standard deals with the ordinary aspects of masonry design and execution including:

- The selection of masonry materials
- Factors affecting the performance and durability of masonry
- Resistance of buildings to moisture penetration
- Storage, preparation and use of materials on site
- The execution of masonry
- Masonry protection during execution



**JUST PUBLISHED**

- ISBN 0 580 47822 X
- A4 Hardcopy

**Price £112**

### BS EN 1996-3:2006 Eurocode 6. Design of masonry structures. Simplified calculation methods for unreinforced masonry structures

BS EN 1996-3 provides simplified calculation methods to facilitate the design of the following unreinforced masonry walls, subject to certain conditions of application:

- Walls subjected to vertical loading and wind loading
- Walls subjected to concentrated loads
- Shear walls
- Basement walls subjected to lateral earth pressure and vertical loads
- Walls subjected to lateral loads but not subjected to vertical loads



**JUST PUBLISHED**

- ISBN 0 580 47821 1
- A4 Hardcopy

**Price £128**

This standard does not cover the design for accidental situations.

BSI IDENTIFIER	TITLE	PRICE	ISBN
BS EN 1991-1-7:2006	Eurocode 1. Actions on structures. General actions. Accidental actions	£136	0 580 48259 6
BS EN 1991-3:2006	Eurocode 1. Actions on structures. Actions induced by cranes and machines	£128	0 580 48268 5
BS EN 1991-4:2006	Eurocode 1. Actions on structures. Silos and tanks	£156	0 580 48260 X
BS EN 1997-2:2006	Eurocode 7. Geotechnical design. Ground investigation and testing	£204	0 580 48261 8
BS EN 1999-1-1:2006	Eurocode 9. Design of aluminium structures. General. Common rules	£192	0 580 48262 6
BS EN 1999-1-2:2006	Eurocode 9. Design of aluminium structures. General. Structural fire design	£136	0 580 48263 4
BS EN 1999-1-3:2006	Eurocode 9. Design of aluminium structures. General. Additional rules for structures susceptible to fatigue	£148	0 580 48264 2
BS EN 1999-1-4:2006	Eurocode 9. Design of aluminium structures. Supplementary rules for trapezoidal sheeting	£136	0 580 48265 0
BS EN 1999-1-5:2006	Eurocode 9. Design of aluminium structures. Supplementary rules for shell structures	£148	0 580 48266 9

# Structural Design

## BS EN 1992-3:2006 Eurocode 2. Design of concrete structures. Liquid retaining and containment structures

Complementary to Part 1, this standard includes detailed rules for the structural design of the elements of containment structures which directly support stored liquids and granular materials and are constructed from reinforced, prestressed, plain and/or lightly reinforced concrete.

Supersedes DD ENV 1992-4: 2000. At the end of the co-existence period this Eurocode will replace BS 8007:1987.



### COMING SOON

- ISBN 0 580 48267 7
- A4 Hardcopy

Price £98

## BS 5268-3:2006 Structural use of timber. Code of practice for trussed rafter roofs

This standard covers the design, fabrication and use of trussed rafters for roofs.

Trussed rafters usually span between external load-bearing walls without the need for intermediate supports from internal walls, lintels or purlins.

Guidance is provided on:

- Structural analysis methods
- Engineering design criteria
- Design by testing
- Truss handling, storage and erection
- Standard bracing arrangements for domestic scale roofs
- Production requirements for truss manufacture
- Performance requirements for roof bracing
- Strength grades of timber used

Based on extensive tests, the maximum spans for two common truss configurations for a range of member sizes and roof pitches are given.



### JUST PUBLISHED

- ISBN 0 580 47340 6
- A4 Hardcopy

Price £136

# Design Compliance & Disability Discrimination Act

## BS 8300:2001 Design of buildings and their approaches to meet the needs of disabled people. Code of practice

This code of practice will help you to make the relevant changes to commercial and public buildings. BS 8300 explains how to design the built environment to make it fully accessible. It will help you to overcome restrictions that prevent anyone from making full use of premises and their surroundings. BS 8300 is available in several formats.



### AMENDED IN 2005

- ISBN 0 580 38438 1
- A4 Hardcopy

Price £192

## Winning with the Disability Discrimination Act: A Guide for Business

Pat Perry



A comprehensive toolkit manual with CD-ROM. An invaluable business resource for operational managers, it contains no-nonsense advice and guidance on implementing the provisions of the DDA. Offers best practice advice, access audits, case studies, assessment and how to handle complaints. Checklists, handy hint boxes and a CD of key proformas are included.



### POPULAR

- BSI order ref BIP 2040
- ISBN 0 580 44093 1
- A4 Lever arch folder & CD-ROM

Price £55

## BS 8300 Design of buildings and their approaches to meet the needs of disabled people. Code of practice CD-ROM



This electronic book contains BS 8300:2001 (updated) in PDF format, expandable font size and a listening audio version. Discounts are available to registered charities.



### CD-ROM

- BSI order ref BIP 3044

Price £230 + VAT

# Health & Safety

## BS 8454:2006 Code of practice for delivery of training and education for work at height and rescue

Whether you're simply carrying out inspections, arranging for contractors to undertake works or managing the premises day to day you need to be familiar with the Work at Height Regulations 2005, Regulation 5. BSI has worked along side the Health and Safety Executive (HSE) to publish BS 8454:2006.

This new British Standard gives recommendations and guidance on the delivery of training and education for work at height, including rescue. It is applicable to all related training and education, including training involving practical experience of a work method or experience of exposure to height.

### Who should use this?

The standard is intended for use by all organizations and individuals providing such training and/or education, including organizations which provide such training to their own employees. It is applicable to all locations where such training is provided, whether at a dedicated training facility or at other sites.

It is intended to apply to all training which falls within the scope of the Work at Height Regulations 2005.

HSE commends the use of BS 8454:2006 to those who have duties under the Health and Safety at Work etc. Act 1974. This standard was drawn up with the participation of HSE representatives and it will be referred to in the relevant HSE publications.



### COMING SOON

• ISBN 0 580 48250 2

Price **£98**

## BS 8437:2005 Code of practice for selection, use and maintenance of personal fall protection systems and equipment for use in the workplace

This standard has been produced in response to the need to bring together best practice regarding personal fall protection from a large number of sources including information from manufacturers, research studies and training organizations.

This British Standard gives recommendations and guidance on the selection, use and maintenance of personal fall protection systems and equipment for use in the workplace to prevent and/or to arrest falls from a height, including systems and equipment suitable for use in rescue. It also gives guidance on rescue of persons working at a height, in the event of an accident.



### POPULAR

• ISBN 0 580 45817 2

Price **£192**

## BS 7212:2006 Code of practice for the safe use of construction hoists

This British Standard gives recommendations and guidance on the installation, maintenance, examination and operation of construction hoists, including hoistway protection, and on the management of these activities.

It also includes recommendations and guidance on erection, alteration and dismantling of hoists and sets out the responsibilities of the various parties involved in all these activities.



### COMING SOON

• ISBN 0 580 48249 9

Price **£136**

# Project Management

## PD 6079-4:2006 Project management. Guide to project management in the construction industry

PD 6079-4 is a guide to project management in the construction industry. It deals with the construction process from inception through to handover of the completed facility to the owner, occupier or operator. It is also applicable to projects involving the maintenance, repair, refurbishment, decommissioning and demolition of existing facilities.

Its guidance is relevant to both domestic and international projects and to all project participants including clients, professional consultants and designers, and contracting organizations including main contractors, specialist works contractors and suppliers. It can be applied to projects of any size as it gives sound principles as a basis together with more specific recommendations that can be tailored for the specific project.

As well as giving recommendations and guidance on the management of projects in the construction industry, it also gives a brief summary of the most relevant legislation for the convenience of project clients, designers, managers and contractors. PD 6079-4 should be of great benefit in bringing all the guidance relating to construction industry project management together in one document, to enable projects to be managed more effectively.



### COMING SOON

• ISBN 0 580 48144 1

Price **£45**

# Construction Materials

## BS 8500 – Complementary British Standard to BS EN 206-1

BS 8500 contains additional United Kingdom provisions to be used in conjunction with BS EN 206-1. Together they form a complete package for the specification, production and conformity of fresh concrete. BS 8500 and BS EN 206-1 take account of the distinct and different technical responsibilities of the specifier, producer and user. BS 8500 is published in the following parts:

### BS 8500-1:2006 Concrete. Complementary British Standard to BS EN 206-1. Method of specifying and guidance for the specifier

This part of BS 8500 describes methods of specifying concrete and gives guidance for the specifier. It covers materials, methods of testing and procedures that are outside the scope of BS EN 206-1, but within national experience.

This is a full revision of the standard, and introduces the following principal changes:

- Changes to reflect changed guidance in BRE Special Digest 1
- Extended guidance on recommended concrete quality in long life structures
- Changes resulting from the withdrawal of British Standards
- Reducing the strength class of the FND designated concretes to C25/30
- New guidance on the chloride class for post-tensioned prestressed concrete
- Changes resulting from new European standards published since 2003
- Simplification of the cement and combination designations
- Presentational changes to ease the use of this standard

This part of BS 8500 supersedes BS 8500-1:2002, which will be withdrawn.

### BS 8500-2:2006 Concrete. Complementary British Standard to BS EN 206-1. Specification for constituent materials and concrete

It covers materials, methods of testing and procedures that are outside the scope of BS EN 206-1, but within national experience. Page count: 43 (at DPC) This is a full revision of BS 8500-2, and introduces the following principal changes:

- Changes to reflect changed guidance in BRE Special Digest 1
- Changes resulting from the withdrawal of British Standards
- Changes to the permitted cement types
- Reducing the strength class of the FND designated concretes to C25/30
- Changes resulting from new European Standards published since 2003
- Citing specialist publications for the detailed provisions for resisting damaging alkali-silica reaction

This part of BS 8500 supersedes BS 8500-2:2002, which will be withdrawn.

### BS 4592 Industrial type flooring and stair treads

The BS 4592 series has six parts. These standards will be used by manufacturers, specifiers (including architects), designers and contractor. They can also be used by regulators (primarily HSE), particularly in terms of the safe fitting and fixing of flooring and tread components in the workplace. Further information can be found at [www.bsi-global.com/BS4592](http://www.bsi-global.com/BS4592)

BSI IDENTIFIER	TITLE	PRICE	ISBN
BS 4592-0:2006	Industrial type flooring and stair treads. Common requirements	£98	0 580 48253 7
BS 4592-1:2006	Industrial type flooring and stair treads. Metal open bar gratings. Specification	£68	0 580 48254 5
BS 4592-2:2006	Industrial type flooring and stair treads. Expanded metal sections. Specification	£68	0 580 48255 3
BS 4592-3:2006	Industrial type flooring and stair treads. Cold formed metal planks. Specification	£68	0 580 48256 1
BS 4592-4:2006	Industrial type flooring and stair treads. Glass reinforced plastics (GRP) open bar gratings. Specification	£68	0 580 48257 X
BS 4592-5:2006	Industrial type flooring and stair treads. Solid plates in metal and glass reinforced plastics (GRP). Specification	£68	0 580 48258 8

 **COMING SOON**

- ISBN 0 580 48251 0

Price £136

 **COMING SOON**

- ISBN 0 580 48252 9

Price £112

 **COMING SOON**

# Building Utilities

## BS EN 806 Specification for installations inside buildings conveying water for human consumption.

BS EN 806 is divided into 5 parts:

BSI IDENTIFIER	TITLE	PRICE	ISBN
BS EN 806-1:2000	Specifications for installations inside buildings conveying water for human consumption. General	£112	0 580 36706 1
BS EN 806-2:2005	Specifications for installations inside buildings conveying water for human consumption. Design	£136	0 580 45980 2
BS EN 806-3:2006	Specification for installations inside buildings conveying water for human consumption. Pipe sizing Simplified method	£64	0 580 48283 9
BS EN 806-4	Specification for installations inside buildings conveying water for human consumption. Installation		Due in 2007
BS EN 806-5	Specification for installations inside buildings conveying water for human consumption. Operation and maintenance		Due in 2007

## BS 6297:2006 Code of practice for design and installation of small sewage treatment works and cesspools

This code of practice deals with the design and installation of drainage fields and infiltration systems for use in sewage treatment. It is applicable for discharges from domestic and commercial sources from single households upwards. These sources are typically from septic tanks and package treatment plants. General guidance only is given on good design and installation practices. Particular requirements will be determined by local conditions. The code's recommendations should be supplemented as required by specialist advice.

It supersedes BS 6297:1983 which is withdrawn. It is complementary to BS EN 12566 and BS EN 12255.

### COMING SOON

- ISBN 0 580 48370 3

Price **£128**

## A Guide to Emergency Lighting Chris Watts



This book aids users and design, installation and maintenance engineers in providing appropriate emergency lighting systems to assist occupants to leave premises safely and comply with new legislation. It covers all aspects of the selection, design, installation, maintenance and testing of battery powered emergency lighting systems to meet legislation.

**Contents:** Emergency Lighting Standards, Regulatory Reform (fire safety) Order, The Building Regulations, System Design/Selection, Photometric Design, Major Applications, Installation, Servicing and Testing of Emergency Lighting

### NEW

- BSI order ref BIP 2081
- ISBN 0 580 47755 X
- Paperback, 230 pages

Price **£45**

## A Guide to Emergency Lighting - CD ROM



This CD ROM contains a compilation of standards and explanatory guides to give you an invaluable tool when designing, building and installing emergency lighting. It includes BS 5266-1, BS 5266-7, BS 5266-8, BS EN 60598-2-22, BS EN 60598-2, BS EN 50171, and BIP 2081 (A Guide to Emergency Lighting). These are complimented by a series of slides written by Chris Watts (the author of A Guide to Emergency Lighting) and Industry Committee for Emergency Lighting (ICEL) which will further assist with the application of these standards.

### NEW CD-ROM

- BSI order ref BIP 3071

Price **£400 + VAT**

## BS 6465 Sanitary installations as cited in Approved Document G

Are you responsible for designing buildings and allocating sanitary facilities? Or are you responsible for selecting, installing or maintaining those facilities? If so these revised publications, quoted in the Building Regulations, Approved Document G are essential to your business.

### BS 6465-1:2006 Sanitary installations. Code of practice for the design of sanitary facilities and scales of provision of sanitary and associated appliances

This part gives recommendations on the design of sanitary facilities and the recommended scale of provision of sanitary and associated appliances in new buildings and those undergoing major refurbishment.

BS 6465-1:2006 together with BS 6465-3 supersede BS 6465-1:1994, which is withdrawn.

### NEW

- ISBN 0 580 47917 X

Price **£112**

### BS 6465-3:2006 Code of practice for the selection, installation and maintenance of sanitary and associated appliances

This part of BS 6465 gives recommendations on the selection, installation and maintenance of the most commonly used sanitary and associated appliances to be provided in new and refurbished buildings. It also covers portable toilets used as supplementary sanitary facilities, for workplaces and events.

### COMING SOON

- ISBN 0 580 47933 1

Price **£112**

# Sustainability

## BS 8900:2006 Guidance for managing sustainable development

Has been designed to help organizations develop an approach to sustainable development that will continue to evolve and adapt to meet new and continuing challenges and demands. It offers clear practical advice enabling meaningful contribution to sustainable development. This new standard guides organizations towards effective management of their impact on society and the environment, along the route to enhanced organizational performance and success.

Applicable to organizations of any size, sector and type, BS 8900 is designed to:

- Provide a framework enabling organizations to take a structured approach to sustainable development by considering the social, environmental and economic impacts of their activities
- Make it easier for organizations to adjust to changing social expectations.
- Help organizations to connect existing technical, social and environmental standards, both formal (e.g. BS EN ISO 14000) and private standards (e.g. the GRI and the AA1000 standards)
- Offer a maturity pathway for the development of the management of sustainable development issues and impacts.
- Provide an organization's stakeholders with a useful tool to assess and engage in improving organizational performance
- Contribute to international level dialogue in the international standard on social responsibility which is currently under development



NEW

- ISBN 0 580 48143 3

Price £68

## BS ISO 14064-1:2006 Greenhouse gases. Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

BS ISO 14064-1 details principles and requirements for designing, developing, managing and reporting organization- or company-level greenhouse gas (GHG) inventories. It includes requirements for determining GHG emission boundaries, quantifying an organization's GHG emissions and removals and identifying specific company actions or activities aimed at improving GHG management. It also includes requirements and guidance on inventory quality management, reporting, internal auditing and the organization's responsibilities in verification activities.



NEW

- ISBN 0 580 47955 2

Price £84

## BS ISO 14064-2:2006 Greenhouse gases. Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emissions reductions or removal enhancements

BS ISO 14064-2 focuses on GHG projects or project-based activities specifically designed to reduce GHG emissions or increase GHG removals. It includes principles and requirements for determining project baseline scenarios and for monitoring, quantifying and reporting project performance relative to the baseline scenario and provides the basis for GHG projects to be validated and verified.



NEW

- ISBN 0 580 47956 0

Price £100

## BS ISO 14064-3:2006 Greenhouse gases. Specification with guidance for the validation and verification of greenhouse gas assertions

BS ISO 14064-3 details principles and requirements for verifying GHG inventories and validating or verifying GHG projects. It describes the process for GHG-related validation or verification and specifies components such as validation or verification planning, assessment procedures and the evaluation of organization or project GHG assertions. BS ISO 14064-3 can be used by organizations or independent parties to validate or verify GHG assertions.



NEW

- ISBN 0 580 47957 9

Price £110

## Greenhouse Gases CD-ROM Compendium

This new fully searchable CD-ROM contains BS ISO 14064 parts 1-3, BS 8900 Guidance to managing sustainable development and Managing the environment the 14001 way (BIP 2069), helping you create a more cost-effective environmental management policy and system.



NEW CD-ROM

- BSI order ref BIP 3072

Price £325

# Electrical

## BS 7671:2001 Requirements for electrical installations. IEE Wiring Regulations. Sixteenth edition (incorporating Amendments 1 and 2, 2004)



The Wiring Regulations are the national standard to which all domestic and industrial wiring must conform. Amendment No. 2 primarily concerns a fundamental change to the colours of fixed wiring cables along with some changes due to the introduction of the Electricity Supply Quality and Continuity Regulations and some certificate changes. The new regulations carry a brown cover.

This updated version of the BS 7671 (16th Edition) now incorporates Amendments No 1 and 2, 2004.



BESTSELLER

- ISBN 0 863 41373 0
- A4 paperback
- 321 pages

Price £94

