Fire safety in buildings
A collection of BRE expert guidance on fire risk, protection and detection

To view the full range of IHS BRE Press publications visit www.brebookshop.com
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 fire safety in buildings focussing on risk, protection and detection. It is one of a series of compilations of BRE background documents and current 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, The Capitol Building, Oldbury, Bracknell RG12 8FZ, 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: The Capitol Building, Oldbury, Bracknell, Berkshire RG12 8FZ. 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 2016. 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, Verulam Point, Station Way, St Albans, Herts AL1 5HE, UK
Tel: +44 (0) 1727 733813, Email: brepress@ihs.com

AP 312

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:
BRE Enquiries: Tel. +44 (0)333 321 8811; Email enquiries@bre.co.uk; www.bre.co.uk
Contents

**Fire risk**

Fire risk from combustible cavity insulation  
DG 294

Fire risk in high-rise and super high-rise buildings: prevention and mitigation  
DG 533

Lessons learned from real fires  
DG 515

Managing fire risk in commercial buildings: a guide for facilities managers  
IP 11/14

Risks of dust fires and explosions  
IP 14/08

Self-heating and spontaneous combustion  
IP 11/08

**Protection from fire**

Fire doors  
DG 524

Fixed gas extinguishing systems for fire protection  
DG 513

Installing fire-resisting ductwork and dampers  
GG 81

Residential sprinklers for fire protection:  
Part 1 – Introduction  
DG 519-1

Part 2 – Installation  
DG 519-2

Sprinkler systems for fire protection of commercial and industrial buildings  
DG 518

Watermist systems for fire protection in domestic and residential buildings  
DG 534

**Fire detection**

Domestic smoke alarms  
DG 525

New requirements for fire detection and alarm network systems  
IP 12/13

Smoke detection in high ceiling spaces:  
Part 1 – Introduction, literature reviews and modelling  
IP 15/12-1

Part 2 – Fire tests and conclusions  
IP 15/12-2

Visual alarm devices for fire  
IP 1/13

Wireless fire detection systems and European regulations  
IP 6/08