

The Building Regulations 2000

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# **Approved Document B Volumes 1 and 2 (2006 editions)**

List of revisions and corrections

March 2010

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## 1. AMENDMENTS TO APPROVED DOCUMENT B VOLUME 1 – DWELLINGHOUSES

### Page 56

#### Note below Paragraph 5

In the 2nd paragraph replace “BS EN 13501-2:2003” with “BS EN 13501-2:2007”

#### Note below Paragraph 5

In the 4th paragraph replace “BS EN 13501-4:xxxx” with “BS EN 13501-4:2007”

#### Paragraph 6.b

Replace “Commission Decision XXXX/YYYY/EC” with “Commission Decision 2005/823/EC”

### Page 64

#### Table A6 Column 2 item c.

Replace BS EN 771-1:2003 with BS EN 771-3:2003

## Appendix B – Fire doors

### Page 66

#### Paragraph 1

Replace existing paragraph with

“1. All fire doors should have the appropriate performance given in Table B1 either:

- a. by their performance under test to BS 476-22 *Fire tests on building materials and structures. Methods for determination of the fire resistance of non-loadbearing elements of construction*, in terms of integrity for a period of minutes, e.g. FD30. A suffix (S) is added for doors where restricted smoke leakage at ambient temperatures is needed; or
- b. as determined with reference to Commission Decision 2000/367/EC of 3 May 2000 implementing Council Directive 89/106/EEC as regards the classification of the resistance to fire performance of construction products, construction works and parts thereof. All fire doors should be classified in accordance with BS EN 13501-2:2003 *Fire classification of construction products and building elements. Classification using data from fire resistance tests (excluding products for use in ventilation systems)*. They are tested to the relevant European method from the following:
  - BS EN 1634-1:2008 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance tests for doors, shutters and openable windows*;
  - BS EN 1634-2:2008 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance characterisation test for elements of building hardware*;
  - BS EN 1634-3:2004 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies*.

The performance requirement is in terms of integrity (E) for a period of minutes. An additional classification of S<sub>a</sub> is used for all doors where restricted smoke leakage at ambient temperatures is needed.

The requirement (in either case) is for test exposure from each side of the door separately.

Any test evidence used to substantiate the fire resistance rating of a door or shutter should be carefully checked to ensure that it adequately demonstrates compliance and is applicable to the adequately **complete installed assembly**. Small differences in detail (such as glazing apertures, intumescent strips, door frames and ironmongery etc.) may significantly affect the rating.

#### Notes:

1. The designation of xxxx is used for standards that are not yet published. The latest version of any standard may be used provided that it continues to address the relevant requirements of the Regulations.

2. Until such time that the relevant harmonised product standards are published, for the purposes of meeting the Building Regulations, products tested in accordance with BS EN 1634-1 (with or without pre-fire test mechanical conditioning) will be deemed to have satisfied the provisions provided that they achieve the minimum fire resistance in terms of integrity, as detailed in Table B1.”

### **Appendix F – Standards and other publications referred to**

#### **Page 73**

Replace “**DD ENV 1187:2002**” with “**ENV 1187:2002+A1:2005, test 4**”

#### **Page 74**

Replace “**BS EN 1634-1:2000**” with “**BS EN 1634-1:2008**”

Above BS EN 1634-3 insert

“**BS EN 1634-2:2008**

Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance characterisation test for elements of building hardware.”

Replace “**BS EN 1634-3:2001**” with “**BS EN 1634-3:2004**”

Replace “**BS EN 13501-1:2002**” with “**BS EN 13501-1:2007**”

Replace “**BS EN 13501-2:2003**” with “**BS EN 13501-2:2007**”

## **2. AMENDMENTS TO APPROVED DOCUMENT B VOLUME 2 – BUILDINGS OTHER THAN DWELLINGHOUSES**

#### **Page 28**

##### **Paragraph 2.21.c.**

After “covered car park” insert “except if the car park is open sided (see paragraph 11.3 for meaning of open-sided car park)”

#### **Page 59**

##### **Table 9 column 1 row 2**

After “Office,” insert “Industrial,”

#### **Page 63**

##### **Paragraph B 2.v**

In the 3rd paragraph replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

#### **Page 119**

##### **Paragraph 7**

In the 3rd paragraph replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

##### **Paragraph 8.b**

Replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

##### **Paragraph 9.b**

Replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

#### **Page 118**

##### **Note below Paragraph 5**

In the 2nd paragraph replace “BS EN 13501-2:2003” with “BS EN 13501-2:2007”

##### **Note below Paragraph 5**

In the 4th paragraph replace “BS EN 13501-4:xxxx” with “BS EN 13501-4:2007”

##### **Paragraph 6.b**

Replace “Commission Decision XXXX/YYYY/EC” with “Commission Decision 2005/823/EC”

**Page 120****Paragraph 11**

In the 2nd paragraph replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

**Paragraph 15**

Replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

**Page 129****Table A6 Column 2 item c.**

Replace “BS EN 771-1:2003” with “BS EN 771-3:2003”

**Table A6 Column 3**

Replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

**Page 130****Table A7 Column 3**

Replace “BS EN 13501-1:2002” with “BS EN 13501-1:2007”

**Appendix B – Fire doors****Page 132****Paragraph 1**

Replace existing paragraph with

- “1. All fire doors should have the appropriate performance given in Table B1 either:
- a. by their performance under test to BS 476-22 *Fire tests on building materials and structures. Methods for determination of the fire resistance of non-loadbearing elements of construction*, in terms of integrity for a period of minutes, e.g. FD30. A suffix (S) is added for doors where restricted smoke leakage at ambient temperatures is needed; or
  - b. as determined with reference to Commission Decision 2000/367/EC of 3 May 2000 implementing Council Directive 89/106/EEC as regards the classification of the resistance to fire performance of construction products, construction works and parts thereof. All fire doors should be classified in accordance with BS EN 13501-2:2003 *Fire classification of construction products and building elements. Classification using data from fire resistance tests (excluding products for use in ventilation systems)*. They are tested to the relevant European method from the following:
    - BS EN 1634-1:2008 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance tests for doors, shutters and openable windows;*
    - BS EN 1634-2:2008 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance characterisation test for elements of building hardware;*
    - BS EN 1634-3:2004 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies;* or
  - c. as determined with reference to European Parliament and Council Directive 95/16/EC (applies to lifts permanently serving buildings and constructions and specified safety components) of 29th June 1995 on the approximation of laws of Member States relating to lifts (‘Lifts Directive’) implementing the Lifts Regulations 1997 (S.I. 1997/831) and calling upon the harmonised standard BS EN 81-58:2003 *Safety rules for the construction and installation of lifts – Examination and tests. Landing doors fire resistance test*.

The performance requirement is in terms of integrity (E) for a period of minutes. An additional classification of  $S_a$  is used for all doors where restricted smoke leakage at ambient temperatures is needed.

The requirement (in either case) is for test exposure from each side of the door separately, except in the case of lift doors which are tested from the landing side only.

Any test evidence used to substantiate the fire resistance rating of a door or shutter should be carefully checked to ensure that it adequately demonstrates compliance and is applicable to the adequately **complete installed assembly**. Small differences in detail (such as glazing apertures, intumescent strips, door frames and ironmongery etc) may significantly affect the rating.

**Notes:**

1. The designation of xxxx is used for standards that are not yet published. The latest version of any standard may be used provided that it continues to address the relevant requirements of the Regulations.
2. Until such time that the relevant harmonised product standards are published, for the purposes of meeting the Building Regulations, products tested in accordance with BS EN 1634-1 (with or without pre-fire test mechanical conditioning) will be deemed to have satisfied the provisions provided that they achieve the minimum fire resistance in terms of integrity, as detailed in Table B1."

**Page 134****Table B1 Note 2(b)**

Replace "BS EN 1634-3:2001" with "BS EN 1634-3:2004"

**Appendix H – Standards and other publications referred to****Page 149**

Above BS EN 81-72:2003 insert

**"BS EN 81-58: 2003**

Safety rules for the construction and installation of lifts – Examination and tests. Landing doors fire resistance test"

Replace "**ENV 1187:2002, test 4**" with "**ENV 1187:2002+A1:2005, test 4**"

**Page 150**

Replace "**BS EN 1634-1:2000**" with "**BS EN 1634-1:2008**"

Above BS EN 1634-3 insert

**"BS EN 1634-2: 2008**

Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance characterisation test for elements of building hardware"

Replace "**BS EN 1634-3:2001**" with "**BS EN 1634-3:2004**"

**Page 151**

Replace "**BS EN 13501-1:2002**" with "**BS EN 13501-1:2007**"

Replace "**BS EN 13501-2:2003**" with "**BS EN 13501-2:2007**"

**Page 152**

Replace "**BS EN 13501-4:XXXX**" with "**BS EN 13501-4:2007**"



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