

1987 No. 268

BUILDING REGULATIONS

Building (Amendment) Regulations (Northern Ireland) 1987

Made 26th June 1987

Coming into operation 1st August 1987

The Department of the Environment, in exercise of the powers conferred by Articles 3 and 5(1) of the Building Regulations (Northern Ireland) Order 1979(a) and now vested in it(b) and of every other power enabling it in that behalf, after consultation with the Building Regulations Advisory Committee and such other bodies as appear to the Department to be representative of the interests concerned, hereby makes the following regulations:—

Citation and commencement

1. These regulations may be cited as the Building (Amendment) Regulations (Northern Ireland) 1987 and shall come into operation on 1st August 1987.

Interpretation

2. In these regulations “the principal regulations” means the Building Regulations (Northern Ireland) 1977(c).

Transitional provisions

3.—(1) The principal regulations shall apply to:—

- (a) plans deposited in accordance with the principal regulations before the commencement of these regulations;
- (b) work carried out in accordance with such plans with or without any departure or deviation from those plans; and
- (c) work completed before such commencement;

as if the amendments effected by these regulations had not been made.

(2) For the purpose of paragraph (1) “work” means the erection of a building, the alteration or extension of a building, the execution of works, the installation of a fitting or the making of a material change of use.

Amendment of principal regulations

4. The principal regulations shall be amended in accordance with these regulations.

(a) S.I. 1979/1709 (N.I. 16)

(b) S.I. 1982/338 (N.I. 6) Art. 5 and Sch. 1 Part II

(c) S.R. 1977 No. 149; relevant amending regulations are S.R. 1980 No. 332, S.R. 1982 No. 81 and S.R. 1984 No. 343

Amendment of Part C of the principal regulations

5. In paragraph (a) of regulation C4 (Deemed-to-satisfy provisions for suspended timber floors) for the reference “*BS 882, 1201: Part 2: 1973*” there shall be substituted the reference “*BS 882: 1983*”.

Amendment of Part D of the principal regulations

6.—(1) In paragraph (2) of regulation D2 (Calculation of loading) for the reference “*CP 3: Chapter V: Part 1: 1967*” wherever it occurs, there shall be substituted the reference “*BS 6399: Part 1: 1984*”.

(2) In regulation D4 (Deemed-to-satisfy provisions for foundations) for the reference “*CP 2004: 1972*” there shall be substituted the reference “*BS 8004: 1986*”.

(3) In paragraph (1)(a) of regulation D5 (Deemed-to-satisfy provisions for reinforced concrete foundations) for the reference “*CP 110: Part 1: 1972 (as read with CP 110: Part 2: 1972 and CP 110: Part 3: 1972)*” there shall be substituted the reference “*BS 8110: Parts 1, 2 and 3: 1985*”.

(4) In sub-paragraph (c) of regulation D7 (Deemed-to-satisfy provisions for strip foundations) for the reference “*BS 882, 1201: Part 2: 1973*” there shall be substituted the reference “*BS 882: 1983*”.

(5) In regulation D9 (Deemed-to-satisfy provision for structural work of steel) for the full stop at the end of the regulation there shall be substituted the reference “, or if it complies with *BS 5950: Parts 1 and 2: 1985 and BS 5950: Part 4: 1982*.”.

(6) In paragraph (1)(a) of regulation D11 (Deemed-to-satisfy provisions for structural work of reinforced, prestressed or plain concrete) for the reference “*CP 110: Part 1: 1972 (as read with CP 110: Part 2: 1972 and CP 110: Part 3: 1972)*” there shall be substituted the reference “*BS 8110: Parts 1, 2 and 3: 1985*”.

(7) In regulation D12 (Deemed-to-satisfy provisions for structural work of timber)—

(a) for the reference “*CP 112: Part 2: 1971*” wherever it occurs there shall be substituted the reference “*BS 5268: Part 2: 1984*”; and

(b) for the reference “*CP 112: Part 3: 1973*” there shall be substituted the reference “*BS 5268: Part 3: 1985*”.

(8) In regulation D13 (Deemed-to-satisfy provisions for structural work of bricks, blocks or plain concrete) for sub-paragraph (a) there shall be substituted “(a) *the work complies with CP 111: 1970 or with BS 5628: Part 1: 1978 (1985) and BS 5628: Part 3: 1985; or*”.

(9) In paragraph (1)(a) of regulation D19 (Deemed-to-satisfy provisions for the structure of certain buildings constructed of reinforced, prestressed or plain concrete)—

(a) for the reference “*Section 2 of CP 110: Part 1: 1972*” there shall be substituted the reference “*BS 8110: Parts 1 and 2: 1985*”; and

(b) for the words “*in that publication*” there shall be substituted the words “*in those publications*”.

Amendment of Part E of the principal regulations

7. In specification (b) of the Table to regulation E12 (Penetration of structure by pipes) for the reference “BS 4514: 1969” there shall be substituted the reference “BS 4514: 1983”.

Amendment of Part G of the principal regulations

8. For paragraph (2) of regulation G6 (Measurement of sound transmission) there shall be substituted the following paragraph:—

“(2) Measurements shall be taken in accordance with—

- (i) in the case of airborne sound, Part 4, and
- (ii) in the case of impact sound Part 7 of BS 2750: 1980 and the method of standardising the results of those measurements shall be that set out in clause 8 of the appropriate Part.”.

Amendment of Part H of the principal regulations

9.—(1) In paragraph (2)(b) of regulation H6 (Guarding of stairways, ramps, stepped ramps, landings, balconies and other places) for the reference “Table 3 of CP 3: Chapter V: Part 1: 1967” there shall be substituted the reference “Table 4 of BS 6399: Part 1: 1984”.

(2) In regulation H7 (Vehicle barriers) for the reference “clause 9 of CP 3: Chapter V: Part 1: 1967” there shall be substituted the reference “clause 10 of BS 6399: Part 1: 1984”.

Amendment of Part L of the principal regulations

10.—(1) In paragraph (1)(a)(i) of regulation L6 (Chimneys for Class I appliances) for the reference “BS 1181: 1971” there shall be substituted the reference “BS 1181: 1971 (1977)”.

(2) In regulation L8 (Deemed-to-satisfy provisions regarding materials for the construction of flue pipes of Class I appliances)—

- (a) in sub-paragraph (a) for the reference “BS 41: 1973” there shall be substituted the reference “BS 41: 1973 (1981)”; and
- (b) in sub-paragraph (b) for the reference “BS 835: 1973” there shall be substituted the reference “BS 835: 1973 (1984)”.

(3) In paragraph (1)(a)(iii) of regulation L14 (Chimneys for Class II appliances) for the reference “BS 1181: 1971” there shall be substituted the reference “BS 1181: 1971 (1977)”.

(4) In regulation L16 (Deemed-to-satisfy provisions regarding materials for the construction of flue pipes for Class II appliances)—

- (a) in sub-paragraph (b) for the reference “BS 41: 1973” there shall be substituted the reference “BS 41: 1973 (1981)”; and
- (b) in sub-paragraph (e)(i) for the references “BS 835: 1973” and “BS 567: 1973” there shall be substituted respectively the references “BS 835: 1973 (1984)” and “BS 567: 1973 (1984)”.

Amendment of Part M of the principal regulations

11.—(1) In paragraph (1) of regulation M5 (Special provisions for certain Class I oil-burning appliances) for the reference “BS 4876: 1972” there shall be substituted the reference “BS 4876: 1984”.

(2) In proviso (ii) to paragraph (3) of regulation M8 (Class II appliances)—

- (a) the references to “BS 1250: Part 1: 1966 Clause 14;” and “BS 5258: Part 3: 1975;” shall be omitted; and
- (b) for the references “BS 5258: Part 10: 1980;” and “BS 5258: Part 11: 1980;” there shall be substituted respectively the references “BS 5258: Part 10: 1980 (1983);” and “BS 5258: Part 11: 1980 (1983);”;

(3) After regulation M12 there shall be inserted the following regulations:—

“Liquefied Petroleum Gas (LPG) fixed installations

M13.—(1) This regulation shall apply to any LPG installation which supplies fuel to a fixed appliance in any building of purpose group I or III (as defined by the Table to regulation E2), but not to any installation in which the storage tank is less than 150 litres or greater than 337,500 litres water capacity.

(2) In this regulation:—

“fixed appliance” means a Class II appliance or any appliance the principal function of which is for heating, lighting or cooking purposes;

“liquefied petroleum gas” means commercial butane and commercial propane in accordance with BS 4250;

“LPG installation” means a storage tank, pipework, fittings, supports and all other items required to enable liquefied petroleum gas to be conveyed from the storage tank to the fixed appliance.

(3) In this regulation and in regulation M14 “storage tank” means a fixed bulk storage tank or vessel which is designed to be refilled in position.

(4) The design, construction and installation of any LPG installation to which this regulation applies shall be safe and adequate for its purpose.

Deemed-to-satisfy provision for LPG fixed installations

M14. *The requirements of regulation M13(4) shall be deemed to be satisfied if—*

- (a) *the storage tank is sited in accordance with paragraphs 15 to 36;*
- (b) *the mechanical integrity of the storage tank is in accordance with paragraphs 37, 38 and 40;*
- (c) *in the case of an underground or mounded storage tank the installation is in accordance with paragraphs 41 to 46; and*
- (d) *the pipework, fittings and supports are in accordance with paragraphs 58 to 89*

of Health and Safety guidance booklet HS(G)34 published by the Health and Safety Executive: 1987.”.

Amendment of Part U of the principal regulations

12. In regulation U3 (Deemed-to-satisfy provisions for use of urea formaldehyde foam for cavity insulation) for the reference “BS 5617: 1978

and BS 5618: 1978" there shall be substituted the reference "BS 5617: 1985 and BS 5618: 1985".

Amendment of Schedules to the principal regulations

13.—(1) In Part B of Schedule 1, (Classes of Wholly Exempted Buildings) in Class 20 there shall be inserted after the word "cesspool" the words ", liquefied petroleum gas storage tank".

(2) In Schedule 4 (Rules for Determining the Dimensions of Certain Timber Members)—

(a) in Rule 1(b) for the reference "*Table 1A in CP 112: Part 2: 1971*" there shall be substituted the reference "*Table 91 in BS 5268: Part 2: 1984*"; and

(b) in Rule 2(b)(ii) for the reference "*BS 1297: 1970*" there shall be substituted the reference "*BS 1297: 1970 (1980)*".

(3) In Part I of Schedule 5 (Rules for Satisfying Requirements as to Structural Stability of Certain Walls)—

(a) in Rule 1(1)(c) for the word "*separating*" there shall be substituted the word "*external*"; and

(b) in Rule 2(2) for the reference "*BS 4011: 1966*" there shall be substituted the reference "*BS 6750: 1986*".

(4) In Table A of Part V of Schedule 6 (Notional Periods of Fire Resistance) in column 1 at the end of item 1(b) of Section (A.) the full stop shall be deleted and after the Ø there shall be inserted the reference "*or BS 5950: Parts 1 and 2: 1985*".

(5) For Tables A to C of Schedule 11 (Publications to which Specific Reference is made in the Building Regulations (Northern Ireland) 1977) there shall be substituted the Tables set out in the Schedule.

Sealed with the Official Seal of the Department of the Environment on
26th June 1987.

(L.S.)

W. Black

Assistant Secretary

TABLES TO BE SUBSTITUTED FOR THE TABLES TO SCHEDULE 11
(PUBLICATIONS TO WHICH SPECIFIC REFERENCE IS MADE IN THE BUILDING
REGULATIONS (NORTHERN IRELAND) 1977) TO THE PRINCIPAL REGULATIONS

Table A. British Standards

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
BS 41: 1973 (1981)	—	—	L8(a) L16(b)
BS 65: 1981	1 2 3	AMD 1202 AMD 4328 AMD 4394	L6(1)(a)(iii) L16(a)
BS 144: 1973	1	AMD 1427	Schedule 3, Table 3, item 1
BS 449: Part 2: 1969	1 2 3 4 5 6	AMD 416 AMD 523 AMD 661 AMD 1135 AMD 1787 AMD 4576	D9 Schedule 6, Part V, section A(A), item 1(b) Schedule 6, Part V, section B(A), item 1(b)
Addendum No. 1 (April 1975) to BS 449: Part 2: 1969	1 2	AMD 1765 AMD 1929	
Supplement No. 1 (PD 3343) to BS 449: Part 1: 1970	1	AMD 734	
BS 476: Part 1: 1953	1 2	AMD 409 AMD 686	E1(5), proviso (a) Table to E1, subheading E15(1)(f), proviso
BS 476: Part 3: 1958	1	PD 3276	E1(6)
BS 476: Part 4: 1970 (1984)	1 2	AMD 2483 AMD 4390	A2(1)
BS 476: Part 6: 1968	1 2	AMD 549 AMD 3192	E7(4), proviso E7(5)(c)(ii) E14(6)(b)(vi) E15(1)(e)(ii)
BS 476: Part 7: 1971	—	—	E15(1)(f)

Table A. British Standards — continued

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
BS 476: Part 8: 1972	1	AMD 1873	E1(5) Table 1 to E1, sub- heading Table 1 to E1, footnotes
BS 567: 1973 (1984)	—	—	L16(e)(i)
BS 690: Part 2: 1971	—	—	Table to B3, item 13
BS 690: Part 3: 1973	1	AMD 1619	Table to B3, item 13
BS 690: Part 4: 1974	1	AMD 3220	Table to B3, item 13
BS 715: 1970	1 2	AMD 3284 AMD 3517	L16(c)
BS 747: 1977	—	—	Schedule 8, Part 1, Note Schedule 8, Part IV(B), Note
BS 835: 1973 (1984)	—	—	L8(b) L16(e)(i)
BS 881 & 589: 1974	—	—	Schedule 3, preamble (i) Schedule 4, rule 1(c)
BS 882: 1983	1	AMD 5150	C4(a) D7(c)
BS 913: 1973	—	—	Schedule 3, Table 3, items 1 and 2
BS 1105: 1972	—	—	Schedule 6, Part V, section B(B), item 7
BS 1142: Part 2: 1971	—	—	Table to B3, item 7
BS 1181: 1971 (1977)	—	—	L6(1)(a)(i) L14(1)(a)(iii)
BS 1243: 1978	1 2	AMD 3651 AMD 4024	Schedule 5, rule 12(1)(b)
BS 1297: 1970 (1980)	—	—	Schedule 4, rule 2(b)(ii)

Table A. British Standards — continued

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
BS 2750: Part 4: 1980	—	—	G6(2)
BS 2750: Part 7: 1980	—	—	G6(2)
BS 2782: 1970	1 2 3 4 5	AMD 936 AMD 999 AMD 1524 AMD 2222 AMD 3177	E1(7) Table 2 to E1
BS 2989: 1975	—	—	Table to B3, item 12
BS 3051: 1972	—	—	Schedule 3, Table 3, item 2
BS 3083: 1980	—	—	Table to B3, item 12
BS 3452: 1962	—	—	C5(<i>d</i>)
BS 3456: Section 2.7: 1970	1 2	AMD 882 AMD 3743	S3(4)(<i>b</i>)
BS 4072: 1974	1	AMD 2530	C5(<i>d</i>). Schedule 3, Table 3, item 3
BS 4471: Part 1: 1978	—	—	A2(9)(<i>b</i>)(ii)
BS 4514: 1983	—	—	Table to E12, specification (<i>b</i>)
BS 4543: Part 1: 1976	—	—	L22(2)(<i>d</i>)
BS 4543: Part 2: 1976	1 2 3	AMD 2794 AMD 3475 AMD 3878	L22(2)(<i>a</i>)
BS 4543: Part 3: 1976	1 2	AMD 2981 AMD 3476	L22(2)(<i>a</i>)
BS 4876: 1984	—	—	M5(1)
BS 4978: 1973	1 2 3 4 5	AMD 1869 AMD 2508 AMD 2730 AMD 2935 AMD 4567	Schedule 4, rule 1(<i>d</i>)

Table A. British Standards — continued

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
BS 5056: 1974	—	—	Schedule 3, Table 3, item 4
BS 5250: 1975	1 2	AMD 3025 AMD 4210	F5
BS 5258: Part 1: 1975	1 2	AMD 3348 AMD 4228	M8(3), proviso (ii)
BS 5258: Part 2: 1975	1 2	AMD 3285 AMD 4925	M8(3), proviso (ii)
BS 5258: Part 4: 1977	—	—	M8(3), proviso (ii)
BS 5258: Part 5: 1975	1 2	AMD 4076 AMD 4745	M8(3), proviso (ii)
BS 5258: Part 6: 1975	—	—	M8(3), proviso (ii)
BS 5258: Part 7: 1977	—	—	M8(3), proviso (ii)
BS 5258: Part 8: 1980	—	—	M8(3), proviso (ii)
BS 5258: Part 10: 1980 (1983)	1	AMD 4411	M8(3), proviso (ii)
BS 5258: Part 11: 1980 (1983)	1	AMD 4412	M8(3), proviso (ii)
BS 5258: Part 12: 1980	—	—	M8(3), proviso (ii)
BS 5262: 1976	1	AMD 2103	Table to B3, item 11
BS 5268: Part 2: 1984	1	AMD 4723	D12(a) D12(b)(ii) Schedule 4, rule 1(b)
BS 5268: Part 3: 1985	—	—	D12(c)
BS 5306: Part 2: 1979	1	AMD 3586	E4(1), proviso Table to E5, Part 1, footnote y
BS 5386: Part 3: 1980	1 2 3	AMD 4162 AMD 4405 AMD 4878	M8(3), proviso (ii)

Table A. British Standards — continued

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
BS 5422: 1977	1	AMD 2599	S3(1) S3(2) S3(3)(a) S3(4)(a)
BS 5615: 1978	—	—	S3(4)(b)
BS 5617: 1985	—	—	U3
BS 5618: 1985	—	—	U3
BS 5628: Part 1: 1978 (1985)	—	—	D13(a)
BS 5628: Part 3: 1985	1	AMD 4974	D13(a)
BS 5810: 1979	—	—	R3
BS 5950: Part 1: 1985	—	—	D9 Schedule 6, Part V, A
BS 5950: Part 2: 1985	—	—	D9 Schedule 6, Part V, A
BS 5950: Part 4: 1982	—	—	D9 Schedule 6, Part V, A
BS 6399: Part 1: 1984	1	AMD 4949	D2 H6(2)(b) H7
BS 6750: 1986	—	—	Schedule 5, rule 2(2)
BS 8004: 1986	—	—	D4
BS 8110: Part 1: 1985	—	—	D5(1)(a) D11(1)(a) D19(1)(a)
BS 8110: Part 2: 1985	—	—	D5(1)(a) D11(1)(a)
BS 8110: Part 3: 1985	—	—	D5(1)(a) D11(1)(a)

Table B. British Standard Codes of Practice

Publication (1)	Amendment Slip		Context (4)
	Serial Number (2)	Reference Number (3)	
CP 3: Chapter IV: Part 1: 1971	1 2 3 4	AMD 851 AMD 1007 AMD 1889 AMD 2708	EE4
CP 3: Chapter IV: Part 2: 1968	—	—	EE4
CP 3: Chapter IV: Part 3: 1968	1	PD 6407	EE4
CP 3: Chapter V: Part 2: 1972	1 2 3	AMD 4952 AMD 5152 AMD 5343	D2(2)(c)
CP 101: 1972	1 2	AMD 1754 AMD 2471	D6
CP 111: 1970	1 2	AMD 744 AMD 2031	D13(a)
CP 114: 1969	1 2 3 4 5	AMD 1241 AMD 1552 AMD 1923 AMD 2304 AMD 4780 (Applicable to reprint issues from 1977)	D5(1)(b) D11(1)(b) D19(1)(b)
CP 115: 1969	1 2 3 4	AMD 1242 AMD 1551 AMD 1922 AMD 2305	D11(1)(b) D19(1)(b)
CP 116: 1969	1 2 3 4	AMD 1239 AMD 1550 AMD 1924 AMD 2306	D11(1)(b) D19(1)(b) D19(4)
CP 116: Addendum No. 1 1970	—	—	
CP 117: Part 1: 1965	—	—	D16

Table B. British Standard Codes of Practice — continued

<i>Publication</i> (1)	<i>Amendment Slip</i>		<i>Context</i> (4)
	<i>Serial Number</i> (2)	<i>Reference Number</i> (3)	
CP 118: 1969	1	AMD 1129	D10(1) D10(2)
CP 121: Part 1: 1973	1 2 3	AMD 1751 AMD 2022 AMD 3763	D13(b)
CP 144: Part 3: 1970	1	AMD 2527	Table to B3, item 5 Schedule 8, Part IV(B), item 1

<i>Publication</i> (1)	<i>Amendment</i> (2)	<i>Context</i> (3)
Standard Grading Rules for Canadian Lumber 1979 published by the National Lumber Grades Authority	—	Schedule 4, rule 1(e)
Standard Industrial Classification (Third Edition 1968) issued by the Central Statistical Office	—	Schedule 1, Part A, Class 7
Health and Safety guidance booklet HS(G) 34 published by the Health and Safety Executive 1987	—	M14''

EXPLANATORY NOTE

(This note is not part of the Regulations.)

These regulations further amend the Building Regulations (Northern Ireland) 1977 ("the principal regulations"). They come into operation on 1st August 1987 but do not apply to work which has been completed or for which plans have been deposited with a district council before that date.

They bring up to date references, to certain British Standards and British Standard Codes of Practice, which are included in the principal regulations and introduce new regulations, M13 and M14, which require that the design, construction and installation of any fixed installation of liquefied petroleum gas located within the curtilage of a residential building be safe and adequate for its purpose.

The publications referred to in these regulations may be purchased from the following sources:—

- (a) British Standards and British Standard Codes of Practice from the Sales Department, British Standards Institution, Linford Wood, Milton Keynes MK14 6LE; and
- (b) Health and Safety guidance booklet HS(G)34 from branches of Her Majesty's Stationery Office.