
ANNEX 1

PUBLICATIONS REFERRED TO IN THE NOTES FOR GUIDANCE

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ANNEX 1

PUBLICATIONS REFERRED TO IN THE NOTES FOR GUIDANCE

1.	(05/01) BRITISH STANDARDS	
	(Published by the British Standards Institution)	
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		NG Specification Clause/Table/Sample Appendix
BS 381C	Specification for colours for identification, coding and special purposes.	1212
BS 434	Bitumen road emulsions (anionic and cationic).	920 948 1046
	Part 1. Specification for bitumen road emulsions.	NG Sample Appx 7/4
	Part 2. Code of practice for use of bitumen road emulsions.	918 918
BS 505	1971. Specification for road traffic signals (AMD 1990, 1976). (08/03)	1217
BS 594	Hot rolled asphalt for roads and other paved areas.	901 905 943
BS 594-1	Part 1. Specification for constituent materials and asphalt mixtures. (11/03)	NG Sample Appx 7/1 904 910 911 911SE 915 Table NG 9/32 943
BS 594-2	Part 2. Specification for the transport, laying and compaction of rolled asphalt. (11/03)	901 920 921 942 943 945
BS 598	Sampling and examination of bituminous mixtures for roads and other paved areas.	
	Part 102. Analytical test methods.	943 943
	Part 104. Methods of test for the determination of density and compaction. (11/03)	929
	Part 105. Methods of test for the determination of texture depth.	921 942
	Part 107. Method of test for the determination of the composition of design wearing course rolled asphalt.	911 911SE

	Part 108. Methods for determination of the condition of the binder on coated chippings and for measurement of the rate of spread of coated chippings.	915
	Part 110. Methods of test for the determination of wheel-tracking rate and depth.	943
	Part 111. Method for determination of resistance to permanent deformation bituminous mixtures subject to unconfined uniaxial loading.	NG Sample Appx 7/3
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BS 812	Testing aggregates. (11/03)	1704
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	Part 111. Methods for determination of ten per cent fines value (TPV).	806
	Part 120. Method for testing & classifying drying shrinkage of aggregates in concrete.	1702 801
	Part 121. Methods for determination of soundness.	801NI
	Part 124: 1989. Method for determination of frost-heave.	806
BS 871	Specification for abrasive papers and cloths.	402 1310 2204
BS 873	Road traffic signs and internally illuminated bollards.	1200 1202 1221 1200NI
	Part 1. Methods of test.	1202 1203 1214
	Part 2. Specification for miscellaneous signs.	1216
	Part 5. Specification for internally illuminated signs and external lighting luminaires.	1202
	Part 6. Specification for retroreflective and non-retroreflective signs.	1202 1204
	Part 7. Specification for posts and fittings.	1204
BS 882	Specification for aggregates from natural sources for concrete. (11/03)	622
BS 970	Specification for wrought steels for mechanical and allied engineering purposes.	1801
BS 1047	1996. Part 1. Specification for air-cooled blast-furnace slag aggregate for use in construction. (11/03)	801 801 NI 1702
BS 1199 and BS 1200	Specifications for building sands from natural sources	1716

BS 1377	Methods of test for soils for civil engineering purposes. Part 2. Classification tests.	631 1036 1037 1038 1039
	Part 3. Chemical and electro-chemical tests. (11/03)	637 644
	Part 4. Compaction-related tests.	803 804 806 1035
	Part 5. Compressibility, permeability and durability tests.	640
	Part 6. Consolidation and permeability tests in hydraulic cells and with pore pressure measurement.	640
BS 1707	Specification for hot binder distributors for road surface dressing.	919 922
BS 1722	Fences.	303 307
BS 1881	Testing concrete.	1707
	Part 201. Guide to the use of non-destructive methods of test for hardened concrete.	1727
	Part 204. Recommendations on the use of electromagnetic cover meters.	1727
	Part 205. Recommendations for radiography of concrete.	1727
BS 1924	Stabilized materials for civil engineering purposes. 1990.	948 1041 1046
	Part 2. Methods for test for cement-stabilized and lime-stabilized materials.	1035 1036 1037 1038 1039
BS 2000	Methods of test for petroleum and its products.	NG Sample Appx 7/1.
BS 2015	Glossary of paint and related terms. (05/03)	1911 5007
BS 2499	Hot-applied joint sealant systems for concrete pavements. Part 1. Specification for joint sealants. (11/03)	710 711 713
BS 3145	Specification for laboratory pH meters.	Table NG 16/1
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BS 3690	Bitumens for building and civil engineering. (11/03)	NG Sample Appx 7/4 1704
BS 3690-3	Part 3. Specification for mixtures of bitumen with pitch, tar and Trinidad lake asphalt. (11/03)	944
BS 3882	Specification for topsoil.	3006
BS 3900	Methods of test for paints. Part C5. Determination of film thickness.	1914

BS 3921	Specification for clay bricks.	2406 NG Sample Appx 24/1
BS 3923	Methods for ultrasonic examination of welds. Part 2. Automatic examination of fusion welded butt joints in ferritic steels.	1801 1801
BS 3969	Recommendations for turf for general purposes.	3005
BS 4254	Specification for two-part polysulphide-based sealants.	1016 1017
BS 4395	Specification for solderable tin or tin-lead coated wires for component terminations. Part 2. High grade bolts and nuts general grade washers.	1801 1801
BS 4466	Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete.	1713
BS 4800	Schedule of paint colours for building purposes. (05/03)	1911 1912 1912NI Appx 19/4 Appx 19/4SE 5008 5009 5009NI Appx 50/4 Appx 50/4SE Appx 50/4NI
BS 4872	Specification for approval of welders when welding procedure is not required.	1800
BS 4887	Mortar admixtures.	2404
BS 4987	Coated macadam for roads and other paved areas.	NG Sample Appx 7/1 901 906 908 909 913 914 916 917 929
BS 4987-1	Part 1. Specification for constituent materials and for mixtures. (11/03)	NG Sample Appx 7/1 908 909 912 914 916 929 930 932 933 934
BS 4987-2	Part 2. Specification for transport, laying and compaction. (11/03)	901 912 920 935 936

BS 5080	Structural fixings in concrete and masonry.	403 1305
BS 5212-2	Cold applied joint sealant systems for concrete pavements Part 2: Code of practice for the application and use of joint sealants. (11/03)	Table NG 1/1
BS 5228	Noise and vibration control on construction and open sites. Part 1. Code of practice for basic information and procedures for noise control.	109
	Part 2. Guide to noise and vibration control legislation for construction and maintenance.	109
	Part 4. Code of practice for noise and vibration control applicable to piling operations.	109
BS 5328	Concrete. (11/03)	1704
BS 5400	Steel, concrete and composite bridges.	Appx 19/4 Appx 19/4SE
	Part 3. Code of practice for design of steel bridges.	1801
	Part 4. Code of practice for design of concrete bridges.	1602 1603 1610 1612 1704 1712 1716 1717 1727
	Part 6 : 1999. Specification for materials and workmanship, steel.	1801 NG Sample Appx 18/1
	Part 8 : 1978. Recommendations for materials and workmanship, concrete, reinforcement and prestressing tendons.	1724
	Part 9.1 : 1983. Code of practice for design of bridge bearings.	NG Sample Appx 21/1
	Part 9.2 : 1983. Specification for materials, manufacture and installation of bridge bearings.	2101
	Part 10 : 1980. Code of practice for fatigue.	1717 1801
BS 5467	Specification for armoured cables having thermosetting insulation for 600/1000 V and 1900/3300 V. (11/03)	Table NG 1/1
BS 5480	Specification for glass reinforced plastics (GRP) pipes, joints and fittings for use for water supply or sewerage.	NG Sample Appx 5/1
BS 5489	Road lighting	NG Sample Appx 14/2
	Part 2. Code of practice for lighting for traffic routes.	NG Sample Appx 14/4
BS 5589	Code of practice for preservation of timber.	304
BS 5628	Code of practice for use of masonry.	
	Part 1. Structural use of unreinforced masonry.	2404
	Part 3. Materials and components, design and workmanship. (11/03)	2401 2404 2409 2412 2413 2414 2415

BS 5649	Lighting columns. Part 2: 1978 (AMD 3136, 1979). Dimensions and tolerances. (11/03)	NG Sample Appx 13/2 1309 NG Sample Appx 13/1 Appx 13/3 Appx 13/1NI Appx 13/7 Appx 13/9
BS 5666	Methods of analysis of wood preservatives and treated timber. Part 2. Qualitative analysis. Part 3. Quantitative analysis of preservatives and treated timber containing copper/chromium/arsenic formulations.	311 311
BS 5835	Recommendations for testing of aggregates.	803 804 806 850SE 948 1046
BS 5930	Code of practice for site investigations (formerly CP 2001).	642
PP 5930	Site investigations. A guide for higher education to BS 5930:1999. Code of practice for site investigations. (11/03)	642
BS 5931	Code of practice for machine laid in situ edge details for paved areas. (11/03)	Table NG 1/1
BS 5972	Specification for photoelectric control units for road lighting.	1411
BS 6072	Method of magnetic particle flaw detection.	1801
BS 6073	Precast concrete masonry units.	2407 NG Sample Appx 24/1
BS 6089	Guide to the assessment of concrete strength in existing structures.	1004
BS 6349	Maritime Structures.	1606
BS 6717	Precast concrete paving blocks. Specification for paving blocks. (11/03)	Table NG 1/1
BS 6779	Highway parapets for bridges and other structures. Part 1 : 1992. Specification for vehicle containment parapets of metal construction.	2201 2202 2204 NG Sample Appx 22/1
	Part 2. Specification for vehicle containment parapets of concrete construction.	2201
	Part 3. Specification for vehicle containment parapets of combined metal and concrete construction.	2201
BS 6910	Cold pour resin compound and heat-shrink cable joints in the voltage range up to 1000 V a.c. and 1500 V d.c. Part 2. Code of practice for on-site installation.	1422
BS 6925	Specification for mastic asphalt for building and civil engineering (limestone aggregate).	2005
BS 7123	Specification for metal arc welding of steel for concrete reinforcement.	1717
BS 7263-1	Part 1: Precast, unreinforced concrete paving flags and complementary fittings - Requirements and test methods. (11/03)	Table NG 1/1

BS 7282	Field test method for determining the relative protective effectiveness of a wood preservative ground contact (11/03)	1311
BS 7430	Code of practice for earthing.	1420
BS 7668	Specification for weldable structural steels. Hot finished structural hollow sections in weather resistant steels.	NG Sample Appx 18/1
BS 7671	Regulations for Electrical Installations. IEE Wiring Regulations Sixteenth Edition.	1418 1420 1424 1424NI 1526
BS 7903	1997. Guide to selection and use of gully tops and manholes covers for installation within the highway.	507
BS 8002	Code of practice for earth retaining structures.	1615
BS 8004	Code of practice for foundations.	630 1602 1603 1610
BS 8008	Safety precautions and procedures for the construction and descent of machine-bored shafts for piling and other purposes.	1603
BS 8081	Code of practice for ground anchorages.	624
BS 8102	Code of practice for protection of structures against water from the ground.	1610 1613
BS 8005	Part 1. Guide to new sewerage construction. Part 5. Guide to rehabilitation of sewers.	2505 2505
BS 8417	Recommendations for the Preservation of Timber (11/02)	311
BS 8500	Concrete	2602
BS 8500-1	Concrete. Complementary British Standard to BS EN 206-1. Part 1: Method of specifying and guidance for the specifier (11/03)	1001
BS 8500-2	Concrete. Complementary British Standard to BS EN 206-1. Part 2: Specification for constituent materials and concrete (11/03)	1001
BS 8666	Part 1. Specification for scheduling dimensioning bending and cutting of steel reinforcement for concrete.	1712 1713
BS EN 40	Lighting Columns	
BS EN 40-3	Part 3-1: Design and verification – Specification for characteristic loads. (11/03)	#NG Sample Appx 13/1 NG Sample Appx 13/1 NI NG Sample Appx 13/2 NG Sample Appx 13/8
BS EN 40-5	Part 5: Requirements for steel lighting columns. (11/03)	1310
BS EN 40-6	Part 6: Requirements for aluminium lighting columns. (11/03)	1310
BS EN 58	Methods for sampling petroleum products Methods for sampling bituminous binders.	NG Sample Appx 7/1
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control.	507 1532
BS EN 166	Personal eye protection. Specifications (11/03)	NG Sample Appx 1/20 NG Sample Appx 1/20 NI

BS EN 196	Part 21. 1992. Determination of the chloride, carbon dioxide and alkali content of cement.	1704
BS EN 197-1	Part 1. Composition, specification and conformity criteria for common cements (05/02)	1702
BS EN 206-1	Concrete Part 1: Specification, performance, production and conformity. (11/03)	1001 2602
BS EN 287	Approval testing for fusion welding Part 1. Steel.	1800
	Part 2. Aluminium and Aluminium alloys.	1800
BS EN 288	Specification and approval of welding procedures for metallic materials.	1801
	Part 3. Welding procedure tests for the arc welding of steels.	402 1310 2204
	Part 4. Welding procedure tests for the arc welding of aluminium and its alloys.	1310 2204
BS EN 252	Field test method for determining the relative protective effectiveness of a wood preservative.	311
BS EN 335	Safety footwear for professional use.	NG Sample Appx 1/20 NG Sample Appx 1/20NI
BS EN 335	Part 1. Classification of hazard classes.	311
BS EN 345-1	Safety footwear for professional use. Specification (11/03)	NG Sample Appx 1/20 NG Sample Appx 1/20NI
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BS EN 350	Part 2. Guide to natural durability and treatability of selected wood species of importance in Europe.	311
BS EN 351	Part 1. Classification of preservative penetration and retention.	311
BS EN 397	Specification for industrial safety helmets. (11/03)	NG Sample Appx 1/20 NG Sample Appx 1/20NI
BS EN 459-1	Building lime Part 1: Definitions, specifications and conformity criteria (11/03)	Table NG 1/1
BS EN 571	Part 1. General principles.	1801
BS EN 599	Part 1. Specification according to hazard class of preservative-treated wood.	311
BS EN 727	Plastics piping and ducting systems. Thermoplastics pipes and fittings. Determination of Vicat softening temperature (VST). (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN 728	Plastics piping and ducting systems. Polyolefin pipes and fittings. Determination of oxidation induction time. (11/03)	NG Sample Appx 5/7 Tables 2 and 3
BS EN 743	Plastics piping and ducting systems. Thermoplastics pipes. Determination of the longitudinal reversion. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN 752-3	Drain and sewer systems outside buildings. (11/03) Part 3. Planning.	2505
BS EN 763	Plastics piping and ducting systems. Injection-moulded thermoplastics fittings. Test method for visually assessing effects of heating. (11/03)	NG Sample Appx 5/7 Tables 1 and 2

BS EN 772-3	Methods of test for masonry units. Part 3: Determination of net volume and percentage of voids of clay masonry units by hydrostatic weighing. (11/03)	2406
BS EN 772-7	Methods of test for masonry units. Part 7: Determination of water absorption of clay masonry damp proof course units by boiling in water. (11/03)	2406
BS EN 922	Plastics piping and ducting systems. Pipes and fittings of unplasticized poly(vinyl chloride) (PVC-U). Specimen preparation for determination of the viscosity number and calculation of the k-value. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN 933-1	Tests for geometrical properties of aggregates. Part 1. Determination of particle size distribution – sieving method. (11/03)	901
BS EN 934-2	Admixtures for concrete, mortar and grout. Part 2: Concrete admixtures - Definitions, requirements, conformity, marking and labelling. (11/03)	Table NG 1/1
BS EN 970	Non-destructive examination of fusion welds. Visual examination.	1801
BS EN 971	Part 1. Paints and varnishes. Terms and definitions for coating materials. General Terms. (05/03)	1911 5007
BS EN 1008	Mixing water for concrete – Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete. (11/03)	Table NG 1/1
BS EN 1011-1	Welding – Recommendations for welding of metallic materials. Part 1: General guidance for arc welding (11/03)	1801
BS EN 1011-2	Welding – Recommendations for welding of metallic materials. Part 2: Arc welding of ferritic steels (11/03)	1801
BS EN 1097-2	Tests for mechanical and physical properties of aggregates. Part 2. Methods for the determination of resistance to fragmentation (11/03)	1001
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BS EN 1179	Specification for zinc and zinc alloys. Primary zinc. (05/03)	Table NG 1/1
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BS EN 1301	Aluminium and aluminium alloys. Drawn Table wire. Part 1. Technical conditions for inspection and delivery. (05/03)	Table NG 1/1
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BS EN 1427, BS 2000-58	Methods of test for petroleum and its products. Bitumen and bituminous binders. Determination of softening point. Ring and ball method. (11/03)	NG Sample Appx 7/1
BS EN 1435	Non-destructive examination of welds. Radiographic examination of welds joints.	1801
BS EN 1436	Road Marking materials. Road marking performance for road users.	1212 NG Sample Appx 12/3

BS EN 1610	Construction and testing of drains and sewers.	2505
BS EN 1714	Non-destructive examination of welded joints. Ultrasonic examination of welded joints.	1801
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BS EN 1790	Road marking materials. Performance road markings.	1212
BS EN 1793	Part 1. Road traffic noise reducing devices. Test method for determining the acoustic performance. Intrinsic characteristic of sound absorption.	2504 NG Sample Appx 25/4
	Part 2. Road traffic noise reducing devices. Test method for determining the acoustic performance. Intrinsic characteristic of airborne sound insulation.	2504 NG Sample Appx 25/4
BS EN 1794	Part 1. Road traffic noise reducing devices. Non-acoustic performance. Mechanical performance and stability requirements.	2504 NG Sample Appx 25/4
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BS EN 1824	Road marking materials. Road trials.	1212
BS EN 10 025	Hot rolled products of non-alloy structural steels. Technical delivery conditions.	1309 NG Sample Appx 18/1
BS EN 10 029	Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above. (11/03)	Table NG 1/1
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BS EN 10 051	Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels. Tolerances on dimensions and shape (11/03)	Table NG 1/1
BS EN 10 084	Case hardened steels. Technical delivery conditions.	1800
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BS EN 10 888-1	Stainless Steels Part 1: List of stainless steels (11/03)	Table NG 1/1
BS EN 10 095	1991. Heat resisting steels and nickel alloys.	1800
BS EN 10 113	Hot-rolled products in weldable fine grain structural steels.	NG Sample Appx 18/1
BS EN 10 137	Plates and wide flats made of high yield strength structural steels in the quenched and tempered or precipitation hardened conditions.	NG Sample Appx 18/1
BS EN 10 155	Structural steels with improved atmospheric corrosion resistance. Technical delivery conditions.	NG Sample Appx 18/1
BS EN 10 160	Ultrasonic testing of steel flat product of thickness or greater than 6mm (reflection method).	1801
BS EN 10 210	Hot finished structural hollow sections of non-alloy and fine grain structural steels.	NG Sample Appx 18/1
BS EN 10 258	Cold-rolled stainless steel narrow strip and cut lengths. Tolerances on dimensions and shape (11/03)	Table NG 1/1

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BS EN 10 277	1999. Bright steel products. Technical delivery conditions. Part 1. General	1800
	Part 2. Steels for general engineering purposes.	1800
	Part 3. Free cutting steels.	1800
	Part 4. Case hardened steels.	1800
	Part 5. Steel for quenching and tempering.	1800
BS EN 10 278	1999. Dimensions and tolerances of bright steel products.	1800
BS EN 12 272-1	Surface dressing - Test methods. Part 1: Rate of spread and accuracy of spread of binder and Chippings (11/03)	922
BS EN 12 368	Traffic control equipment - signal heads. (08/03)	1217
BS EN 12 490	Durability of wood and wood-based products. Preservative-treated solid wood. Determination of the penetration and retention of creosote in treated wood.	311
BS EN 12591	Bitumen and bituminous binders - Specifications for paving grade bitumens	NG Sample Appx 7/4 901 944
BS EN 12 607-1	Methods of test for petroleum and its products – Bitumen and bituminous binders. Part 1: Determination of the resistance to hardening under the influence of heat and air. RTFOT method. (11/03)	NG Sample Appx 7/1 923
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BS EN 12697-5	Bituminous mixtures – Test methods for hot mix asphalt. Part 5: Determination of the maximum density (11/03)	943
BS EN 13043	Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (11/03)	901
BS EN 13 139	Aggregates for mortar (11/03)	Table NG 1/1
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BS EN 13 242	Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction (11/03)	951
BS EN 22 063	Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys. (05/03)	1904 1907 1910 5006

BS EN 60 651	Specification for sound level matters.	NG Sample Appx 1/9 Notes (iv)
BS EN 60 804	Specification for integrating - averaging sound level meters.	NG Sample Appx 1/9 Notes (iv)
BS EN 60 947	Part 3. Switches, disconnectors, switch-disconnectors and fuse-combination units.	1418
BS EN ISO 527-1	Plastics. Determination of tensile properties. General principles. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN ISO 1183-3-3	Plastics. Methods for determining the density of non-cellular plastics. Gas pycnometer method. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN ISO 1856	Flexible cellular polymeric materials. Determination of compression set. (11/03)	Table NG 1/1
BS EN ISO 2440	Flexible and rigid cellular polymeric materials - Accelerated aging tests. (11/03)	Table NG 1/1
BS EN ISO 2808	Paints and varnishes. Determination of film thickness. (05/03)	1914 5012
BS EN ISO 2813	Paint and varnishes. Measurement of specular gloss of non-metallic Paint films at 20°, 60° and 85°. (05/03)	1911 5008
BS EN ISO 3506-1	Mechanical properties of corrosion-resistant stainless steel fasteners. Part 1: Bolts, screws and studs (11/03)	Table NG 1/1 1801
BS EN ISO 3506-2	Part 2: Nuts (11/03)	Table NG 1/1 1801
BS EN ISO 6259	Thermoplastics pipes. Determination of tensile properties. General test method. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN ISO 8502-4	Preparation of steel substrates before application of paints and related products. Test for the assessment of surface cleanness. Guidance in the estimation of the probability of condensation prior to paint application. (05/03)	1914 5012
BS EN ISO 8502-8	Preparation of steel substrates before application of paints and related products. (05/03)	5012
BS EN ISO 8504-3 (BS 7079-D3)	Preparation of steel substrates before application of paints and related products. Surface preparation methods. Hand-and power-tool cleaning. (05/03)	5003 5003NI
BS EN ISO 9001	Quality management systems. Requirements (11/03)	104 Appx 1/24 NG Sample Appx 7/3 Appx 7/4 Appx 7/7 Appx 7/21
BS EN ISO 1133	Plastics. Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics. (11/03)	NG Sample Appx 5/7 Tables 2 and 3
BS ISO 1817	Physical testing of rubber. Determination of the effects of liquids. (11/03)	Table NG 1/1

2. (05/01) **BRITISH STANDARD CODES OF PRACTICE**

(Published by the British Standards Institution)

**NG Specification
Clause/Table/Sample
Appendix**

Note: Code of practice published under a BS NO. are included in Section 1

CP 312 Code of practice for plastic pipework (thermoplastic materials). 518

3. (05/01) **BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD) DOCUMENTS**

(Published by the British Standards Institution)

**NG Specification
Clause/Table/Sample
Appendix**

DD 213 Method for determination of the indirect tensile stiffness modulus of bituminous mixtures.

NG Sample Appx 7/1
944

DD 226 Method of determining resistance to permanent deformation of bituminous mixtures subject to unconfined dynamic loading.

NG Sample Appx 7/1
944
952

DD 232 Method for determination of the maximum binder content of bituminous mixtures without excessive binder drainage (11/03)

Table NG 1/1

4 (05/01) **EUROPEAN STANDARDS**

(Including draft standards (prEN))

**NG Specification
Clause/Table/Sample
Appendix**

EN 727 Plastics piping and ducting systems. Thermoplastics pipes. Determination of Vicat softening temperature (VST).

NG Sample Appx 5/7
(Table 2)

EN 743 Plastics piping and ducting systems. Thermoplastics pipes. Determination of the longitudinal reversion.

NG Sample Appx 5/7
(Table 1)

EN 763 Plastics piping and ducting systems. Injection moulded thermoplastics fittings. Test method for visually assessing effects of heating.

NG Sample Appx 5/7
(Table 1)

EN 922 Plastics piping and ducting systems. Pipes and fittings of unplasticized poly (vinyl chloride) (PVC-U). Specimen preparation and calculation of the K-value.

NG Sample Appx 5/7
(Table 1)

EN 1829 High pressure cleaners. High pressure water jet machines. Safety requirements. (11/03)

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EN 1905	Plastics piping and ducting systems. Unplasticized poly (vinyl chloride) (PVC-U) pipes, fittings and material. Method of assessing of the PVC content based on total chloride content.	NG Sample Appx 5/7 (Table 1)
EN 45 002	General criteria for the assessment of testing laboratories.	803 804 850SE 1001
EN 45 011	General criteria for certification bodies operating product certification.	104
EN 45 012	General criteria for certification bodies operating quality system certification.	104
prEN ISO 3126	Plastics piping systems. Plastic piping components. Measurement and Determination of Dimensions (Document number 00/124147(PR188NO381)).	518
prEN 12 272-2	Surface Dressing - Test Methods Part 2: Visual Assessment of Defects.	922
prEN 12 274-8	Slurry Surfacing - Test Methods Part 8: Visual Assessment of Defects.	918
prEN 13 074	Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation. (11/03)	923 923 (Table 1)
prEN 13 877-1	Concrete pavements Part 1: Materials for concrete pavements (11/03)	1000 1001
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5. (05/01) **INTERNATIONAL STANDARDS**
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		NG Specification Clause/Table/Sample Appendix
ISO 527	Plastics. Determination of tensile proportions.	NG Sample Appx 5/7 (Table 3)
ISO 1133	Plastics. Determination of the melt mass rate (MFR) and the melt volume-flow rate (MVR) of thermoplastic.	NG Sample Appx 5/7 (Table 3)
ISO 1183	Plastics. Methods for determining the density and relative density of non-cellular plastics.	NG Sample Appx 5/7
ISO 2808	Paints and vanishes. Determination of the film thickness.	1914
ISO 4440	Thermoplastics pipes and fittings. Determination of melt mass-flow rate.	NG Sample Appx 5/7 (Table 1)
ISO 4451	Polyethylene (PE) pipes and fittings. Determination of reference density of uncoloured and black polyethylenes.	NG Sample Appx 5/7 (Table 1)

ISO 11819	Measurement of the influence of road surfaces on traffic noise Part 1. Statistical Pass-BY method.	918 922
ISO 12091	Structured-wall thermoplastics pipes- Oven test.	NG Sample Appx 5/7 (Table 1)
6.	<p>(05/01) DEPARTMENT OF TRANSPORT; DEPARTMENT OF ENVIRONMENT, TRANSPORT AND THE REGIONS; SCOTTISH DEVELOPMENT DEPARTMENT; THE SCOTTISH OFFICE; WELSH OFFICE, AND DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND PUBLICATIONS</p> <p>(Published by The Stationery Office or HMSO)</p> <p>NG Specification Clause/Table/Sample Appendix</p>	
	Traffic Signs Manual - Chapter 5.	1212 1213
	Traffic Signs Manual - Chapter 7.	1202
	Traffic Signs Manual - Chapter 8.	117 117NI NG Sample Appx 1/2 NG Sample Appx 1/2NI 1216
	Working Drawings for Traffic Sign Design and Manufacture. (3 Volumes)	1206 1206NI
	Local Transport Note 2/94: Directional Informationary Signs Interim Design Note.	1202
7.	<p>(05/01) UK OVERSEEING ORGANISATIONS PUBLICATIONS INCLUDING THEIR PREDECESSOR'S PUBLICATIONS</p> <p>(Published by the Stationery Office or HMSO)</p> <p>NG Specification Clause/Table/Sample Appendix</p>	
	Bridges - Advice Notes	
BA 27	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.2) (05/03)	1901 5008
	Bridges - Standards	
BD 2	Technical Approval of Highway Structures. (DMRB 1.1.1) (02/03)	106 NG Sample Appx 1/19 NG Sample Appx 6/10 NG Sample Appx 13/1 NG Sample Appx 25/2 NG Sample Appx 25/4

BD 7	Weathering Steel for Highway Structures. (DMRB 2.3.8) (02/03)	2504
BD 12	Design of Corrugated Steel Buried Structures with Spans Greater than 0.9 metres and up to 8 metres. (DMRB 2.2.6) (02/03)	623
BD 20	Bridge Bearings – Use of BS 5400: Part 9: 1983. (DMRB 2.3.1)	2101 NG Sample Appx 21/1
BD 24	Design of Concrete Highway Bridges. Use of BS 5400 : Part 4 : 1990. (DMRB 1.3.1)	1602 1603 1610
BD 26	Design of Lighting Columns. (DMRB 2.2.1) (11/03)	1301 1301 NI 1303 #1301 NG Sample Appx 13/1 NG Sample Appx 13/1NI NG Sample Appx 13/2 NG Sample Appx 13/1NI
BD 33	Expansion Joints for Use in Highway Bridge Decks. (DMRB 2.3.6)	NG Sample Appx 23/1
BD 35	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.1) (05/03)	1914 1912SE 5008 5012
BD 52	The Design of Highway Bridge Parapets. (DMRB 2.3.3)	2201 NG Sample Appx 22/1
BD 70	Strengthening/Reinforced Soils and other Fills for Retaining Walls and Bridge Abutments (Use of BS 8006 : 1995). (MCHW 2.1.5) (02/03)	622 2502
BD 74	Foundations. (DMRB 2.1.8) (11/03)	1602 1603 1610
BD 83	Design of CCTV Masts. (DMRB 2.2.11) (11/03)	#1301 1301 NI 1303 NG Sample Appx 13/5 NG Sample Appx 13/6
BD 87	Maintenance Painting of Steelwork (DMRB 3.2.2) (05/03)	5012
BD 88	Design of Cantilever Masts for Traffic Signals and/or Speed Cameras. (DMRB 2.2.13) (11/03)	#1301 1301 NI 1303 NG Sample Appx 13/7
Highways - Advice Notes		
HA 40	Determination of Pipe and Bedding Combinations for Drainage Works. (DMRB 4.2.5) (02/03)	501 NG Sample Appx 5/1 2505
HA 41	A Permeameter for Road Drainage Layers. (DMRB 4.2)	640

HA 44	Earthworks : Design and Preparation of Contract Documents. (DMRB 4.1.1)	605 NG Sample Appx 6/1
HA 65	Design Guide for Environmental Barriers. (DMRB 10.5.1)	2504
HA 66	Environmental Barriers : Technical Requirements. (DMRB 10.5.2)	2504
Highways - Standards		
HD 22	Managing Geotechnical Risk. (DMRB 4.1.2) (02/03)	1601 1704
HD 25	Pavement Design and Maintenance: Foundations. (DMRB 7.2.2)	613 801 801NI
HD 26	Pavement Design. (DMRB 7.2.3) (02/03)	701 936 1042
HD 27	Pavement Design and Maintenance: Pavement Construction Methods. (DMRB 7.2.4)	938
HD 36	Pavement Design and Maintenance: Skidding Resistance. (DMRB 7.5.1)	NG Sample Appx 7/1 NG Sample Appx 7/3 NG Sample Appx 7/7 NG Sample Appx 7/21 901 918 919 922 924 Table NG 9/22 942 1044
HD 31	Maintenance of Bituminous Roads. (DMRB 7.4.1)	706 926
HD 32	Maintenance of Concrete Roads. (DMRB 7.4.2)	706
HD 37	Bituminous Surfacing Materials and Techniques. (DMRB 7.5.2)	NG Sample Appx 7/2 NG Sample Appx 7/3 NG Sample Appx 7/21 920 919 922
HD 38	Concrete Surfacing and Materials (DRMB 7.5.2)	1044
Contracts - Advice Notes		
SA 1	List of Approved/Registered Products. (MCHW 0.3.1)	104 1901
SA 2	Assessing Equivalence. (MCHW 0.3.2).	104
SA 3	Testing in Highway Construction Contracts. (MCHW 0.3.3)	000 105
SA 9	Ground Investigation Procedure. (MCHW 5.3.2) (11/03)	600 1601

Contracts - Standards		
SD 4	Procedures for Adoption of Proprietary Manufactured Structures. (MCHW 0.2.4)	106
SD 10	Construction (Design and Management) Regulations 1994 : Requirements for Health and Safety File (MCHW 6.1.11). (02/03)	000
	Design Manual for Roads and Bridges (DMRB).	600
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SD 13	Documentation Requirements for Ground Investigation Contracts. (11/03)	1601
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	Design Manual for Roads and Bridges (DMRB). Volume 8	1301
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	Design Manual for Roads and Bridges (DMRB). Volume 10	1301
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	WO Trunk Road Management and Maintenance Notice 2/86.	2606
8.	(05/01) HIGHWAYS AGENCY (TSS DIVISION) PUBLICATIONS	
	(Published by the Highways Agency. E-mail: tss_plans_registry@highways.gsi.gov.uk) (02/03)	
		NG Specification Clause/Table/Sample Appendix
Traffic Engineering - Advice Notes		
TA 60	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2)	1206
		1206NI
TA 61	Currency of the Traffic Signs Manual. (DMRB 8.2.2)	117
		117NI
TA 63	Convoy Working (DMRB 8.4.5)	117
		117NI
TA 64	Narrow lane and tidal flow operations on motorways and dual carriageway trunk roads with full width hard shoulders. (DMRB 8.4.3)	117
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	Traffic Engineering - Standards	
TD 33	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2)	1206 1206NI
TD 49	The Mobile Lane Closure Technique for Use on Motorway and Other Dual Carriageway Trunk Roads. (DMRB 8.4.4) (11/03)	117 117NI
	Traffic Control and Communications - Specifications	
MCH 1349	Maintenance and Operational Requirements for New Systems and Equipment. (02/03)	1525 1529
MCH 1454	Transmission Standards and Procedures.	1507
MCH 1540	Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads.	1218
MCH 1593	Maintenance Instruction - Changes to Communication Infrastructure.	1525 1527
MCH 1596	NMCS: Site Data Procedures.	1525

9. (05/01) TRANSPORT RESEARCH LABORATORY REPORTS
(Published by TRL (formerly TRRL))

		NG Specification Clause/Table/Sample Appendix
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LR 1094	Pre split blasting for highway rock excavation - G D Matheson, 1983.	603
LR 1102	Compaction of bituminous road materials using vibratory rollers - W D Powell and D Leech, 1983.	901
LR 1109	The measurement of the in-situ density of cement bound materials - P T Sherwood and A J Clark, 1984.	1041
PR 78	Tests for voids and compaction in rolled asphalt surfacing - M E Daines.	943
PR 113	Advice on integrity testing of piles - A J C Gent and P Darley.	1608
RR 4	Cooling of bituminous layers and time available for their compaction - M E Daines.	901
RR 53	Ground vibration caused by civil engineering works - B M New.	607
RR 130	Pilot-scale studies of the trafficability of soil by earthmoving vehicles, A W Parsons and A F Toombs.	632SE
SR 717	Standards of compaction of dense roadbase macadam - W D Powell and D Leech.	901 929
SR 754	Nuclear gauges for measuring the density of roadbase macadams : report of a working party, 1982.	929
PR 72	Swelling pressure of compacted clayey backfill.	610
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TRL 216	Road haunches : a guide to re-usable materials, J Porter, 1996.	948 1046
TRL 273	Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter.	632SE
TRL 386	Design guide and specification for structural maintenance of highway pavements by cold in-situ recycling, Milton and Earland, 1999.	948 1046
TRL 447	Sulfate specification for structural backfills, J M Reid, M A Czerewko and J C Cripps, 2001. (11/03)	Table NG 1/1 601 643 644 NG Sample Appx 6/1 801 801 NI 901 1001 1035 1704
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10.	(05/01) ACTS AND STATUTORY INSTRUMENTS	NG Specification Clause/Table/Sample Appendix
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	The Highways Act 1980.	117
	The Highway Code 1993.	NG Sample Appx 1/17
	The Motor Vehicle Construction and Use Regulations.	NG Sample Appx 1/20
	The Road Transport Act.	NG Sample Appx 1/20
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	The Electricity at Work Regulations 1989.	1424
	The Traffic Signs Regulations and General Direction 2002. (08/03)	NG Sample Appx 1/2 1200 1212 1213 NG Sample Appx 12/1 NG Sample Appx 12/1NAW

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12. (05/01) **BRITISH BOARD OF AGRÉMENT CERTIFICATES**

NG Specification Clause/Table/Sample Appendix

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FSC UK Office, Unit D, Station Building, Llanidloes SY18 6EB
Tel: 01686 413 916, Fax: 01686 412 176
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