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INTRODUCTION

TS 3.10.00

GENERIC TECHNICAL SPECIFICATION **FOR CIVIL, STRUCTURAL AND BUILDING ENGINEERING**

SECTION NO : 00

TITLE : INTRODUCTION

MAIN INDEX

The purpose of this index is to record the current status of all the component parts of this generic technical specification.

Section	Title	Issue No.	Date of issue
TS 3.10.00	Introduction	1	09/07/10
TS 3.10.01	General	1	09/07/10
TS 3.10.02	Materials	1	09/07/10
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TS 3.10.06	Building Works	1	09/07/10
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TS 3.10.11	Tunnelling and Shaft Sinking Works	#Note	
TS 3.10.12	Structural Steelwork and Aluminium	1	09/07/10
TS 3.10.13	Minor Electrical Works	1	09/07/10

#NOTE

Sections TS 3.10.09, TS 3.10.10 and TS 3.10.11 have not been drafted but have been included in the main index in order that the numbering system remains consistent with the “*Civil Engineering Specification for the Water Industry*” (CESWI6 Specification).

TS 3.10.00 - Issue 1 - July 2010

GENERIC TECHNICAL SPECIFICATION FOR CIVIL, STRUCTURAL AND BUILDING ENGINEERING

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0.1 PURPOSE AND SCOPE

- 0.1.1 This Technical Specification (TS 3.10.00) is the first of a suite of documents which together form a 'Generic Technical Specification for Civil, Structural and Building Engineering' applicable to all National Grid Electricity construction works. The documents share the same numerical prefix (i.e. 3.10) and are subdivided into specific sections by the addition of a sequentially numbered suffix to create a series generically identified as 3.10.xx.
- 0.1.2 The basis of this specification is the Civil Engineering Specification for the Water Industry, 6th Edition, June 2004 published by UK Water Industry Research Ltd (hereinafter referred to as 'CESWI6').
- 0.1.3 The TS 3.10.xx suite replaces NGTS 2.10, 'Generic Specification for Civil Engineering Works' Issue 4, October 1997 which is withdrawn with immediate effect.
- 0.1.4 CESWI6 is written on the basis that it may be used in conjunction with additional, contract specific 'Supplementary Clauses'. Consequently and for the purposes of consistency the TS 3.10.xx suite shall be classified as 'Supplementary Clauses' to CESWI6.
- 0.1.5 Where a proposed Civil, Structural and Building Engineering material, product or method of construction is not included in TS 3.10.xx, additional 'Particular Specification' Clause(s) shall be produced as necessary. A 'Particular Specification' shall be in accordance with British Standards, European Standards and Codes of Practice and developed in accordance with the procedure given in CESWI6, 'Product Specifications and Levels of Attestation'. The 'Particular Specification' shall be in the same format as TS 3.10.xx and shall include the appropriate '**Hold**' points and '**Notification**' points. A 'Particular Specification' shall not be used until approved by the *Client*.
- 0.1.6 Any deficiency, ambiguity or inconsistency in the TS 3.10.xx suite or any cross references to third party documents that have become obsolete, deleted, superseded or amended shall be immediately identified to the *Client*. An appropriate 'Particular Specification' shall be produced.
- 0.1.7 In so far as any Specification Clause may conflict, or be inconsistent with, any provision of CESWI6, Supplementary Clauses (TS 3.10.xx) and Particular Specification(s), the order of prevail shall be:

Order of prevail	Specification Type
First	The Particular Specification(s)
Second	TS 3.10.xx or other National Grid Technical Specification as appropriate
Third	CESWI6

- 0.1.8 Dependent on the contract procurement strategy this specification (TS 3.10.xx) may be used as a standalone document or as a component part of a larger suite of contract documents. In the latter case(s) and where there is any conflict the contractual or procedural requirements that relate to the project as a whole shall take precedence over those contained herein. Where there is any ambiguity clarification shall be sought from the Client before commencement of any relevant works.

0.2 BACKGROUND

0.2.1 CESWI6 has been adopted as the base document for a number of reasons:

- It has been developed specifically for, and is used extensively by, UK Construction Industry client organisations, most commonly the Water Industry.
- The scale and scope of Civil Engineering works within the Water Industry is similar to that carried out by National Grid.
- The format and content are familiar to the majority of organisations within the UK Construction Industry.
- The document has effective provenance and governance having been first published in 1978 and updated regularly at approximately 5 yearly intervals thereafter.
- It is extensive and concise in its use of referenced standards.
- It is readily modifiable via the provision of Supplementary Clauses which is the usual way in which it is used.
- The format is such that it is independent of any particular contract strategy, method of valuation or procedural regime.

0.2.2 Reference should be made to CESWI6, 'Introductory Notes' for further explanation of the underlying principles of that document.

0.3 SPECIFICATION STRUCTURE

0.3.1 CESWI6 is divided into numbered Sections, Clauses and Sub-Clauses described as follows:

Sections Major divisions of general activity, e.g. Section 3, Excavation, backfilling and restoration

Clause Individual activities specific to that Section, e.g. Clause 3.15, 'Piling'

Sub-Clauses One or more single subject requirements appropriate to the particular Clause, e.g. 3.15.1 The specification for piling shall be the 'Specification for Piling and Embedded Retaining Walls', published by the Institution of Civil Engineers in 1996.

0.3.2 Notes for Guidance are included in the left hand margin adjacent to the relevant sub-clause. As indicated in CESWI6 these do not form part of the specification.

0.3.3 The TS 3.10.xx suite of documents comprises Supplementary Clauses and Sub-Clauses which shall be read in conjunction with CESWI6 and which are numbered according to the following convention:

a) Additional Sub-Clauses

Additional requirements which relate to an existing Clause but which are not covered by an existing sub-clause are numbered as additional sub-clauses taking the next available number of that Clause. For example, an additional requirement relating to the Welding of Reinforcement (Clause 4.18) would be numbered 4.18.2.

b) Replacement Sub-Clauses

Where an existing sub-clause requires modification (for example because a cross referenced document has been revised) the Sub-Clause number is retained and the text modified accordingly.

c) New Clauses

Where one or more additional requirements can be categorised within an existing Section but there is no appropriate Clause heading, the next available Clause number is adopted with new sub-clauses sequentially numbered relative to this as necessary. For example CESWI6 has no Clause for General Testing however Section 7 relates to 'Testing and Disinfection' and within this Section the next available clause number is 7.20. Consequently a new Clause 7.20, 'Testing – General' is created with sub clauses 7.20.1 etc as necessary.

d) New Sections

Where one or more additional requirements cannot be categorised within an existing Section, a new Section taking the next available Section number is created with the appropriate Clauses and Sub-Clauses annotated according to the convention described in the preceding sections. Consequently a new Section 12, 'Structural Steelwork and Aluminium' has been created with Clauses and Sub-Clauses to suit.

0.3.4 The suffix numbering (i.e. xx) of the TS 3.10.xx suite follows the CESWI6 Section numbers as far as is applicable. For example Section 4 of CESWI6 has the title 'Concreting and formwork' as does TS 3.10.04.

0.3.5 Where certain Sections of CESWI6 do not form part of this Generic Specification, they are not used and consequently there are corresponding gaps in the 3.10.xx document numbers. New Sections are numbered as described above.

0.3.6 The Appendices included in CESWI6 correlate with those in the TS 3.10.xx suite as follows:

Appendix	CESWI6	TS 3.10.xx
I	Deleted in its entirety	Not used but stated to maintain CESWI6 numbering convention
II	To be read with TS 3.10.00 Appendix II and VIII	Additional references to those in CESWI6 Appendix II
III	To be read with TS 3.10.00 Appendix III	Additional references to those in CESWI6 Appendix III
IV	No change	Not used as no additional references to those in CESWI6 Appendix IV
V	To be read with TS 3.10.00 Appendix V	Additional references to those in CESWI6 Appendix V
VI	To be read with TS 3.10.00 Appendix VI	Additional references to those in CESWI6 Appendix VI
VII	Deleted in its entirety	Replaces CESWI6 Appendix VII in its entirety

The remaining Appendices are unique to the TS 3.10.xx suite.

0.4 HOLD AND NOTIFICATION POINTS

- 0.4.1 The National Grid Supplementary Specification (TS 3.10.xx) and, if appropriate, Particular Specification(s) make reference to **Hold Points** and **Notification Points**. These terms are defined as follows:

Hold Point	A stage in the material procurement or workmanship process beyond which work shall not proceed without the documented approval of designated individuals or organisations. The <i>Contract Administrator's</i> written approval is required to authorise work to proceed beyond Hold Points noted in the Specification.
Notification Point	A stage in the material procurement or workmanship process for which advance notice of the activity is required to facilitate witness. If the <i>Contract Administrator</i> does not attend after receiving documented notification in accordance with the periods stated in Appendix IX work may proceed. Where the <i>Contractor</i> is required to make submissions and the <i>Contract Administrator</i> approves the submission, such approval shall not relieve the <i>Contractor</i> of his responsibility for complying with other aspects of the Specification unless specifically stated by the <i>Contract Administrator</i>.

- 0.4.2 **Hold Points** and **Notification Points** shall be incorporated into the Site Quality Plan and shall form the basis of any audit.
- 0.4.3 A summary of all **Hold Points** and **Notification Points** are contained in Appendix IX. The timescales may be reduced provided this is by documented, advance agreement with the relevant *Contract Administrator* sub-division (see below) to which they apply.

0.5 CONTRACT ADMINISTRATOR

- 0.5.1 CESWI6 makes extensive reference to the '*Contract Administrator*' in relation to managing the application of the specification and making key decisions in the process flow (Clause 1.1.2 (b) refers). TS 3.10.xx adopts the same concept and terminology however this is extended to include specific reference in relation to the management of '**Hold Points**' and '**Notification Points**'.
- 0.5.2 Although identified in CESWI6 as a singular role, the '*Contract Administrator*' has responsibilities that are enacted within different project phases and therefore require skill sets and authorities which are not necessarily the same for each decision. Consequently for the purposes of the TS 3.10.xx suite, the role of '*Contract Administrator*' is sub-divided as described below:

CONTRACT ADMINISTRATOR Sub-division	DESCRIPTION	EXAMPLES
<i>Client</i>	National Grid or that person, firm or company nominated to discharge the relevant responsibility on their behalf.	Client as defined by CDM 2007
<i>Supervisor</i>	The person, firm or company named in the contract as appointed by the <i>Client</i> to supervise, inspect, witness and where necessary give consent to all construction works on site on behalf of the <i>Client</i> .	Resident Engineer, Clerk of the Works, Site Engineer, Quality Engineer
<i>Contractor</i>	The person, firm or company named in the contract as appointed by the <i>Client</i> to manage and supervise all construction works on site.	Principal Contractor as defined by CDM 2007, Site Manager, Site Agent, Civil Engineering Manager
<i>Designer</i>	The person, firm or company named in the contract with the authorised responsibility to manage, supervise all design activities leading to the <u>production</u> of the approved drawings, schedules etc issued for construction purposes.	TP188A Design Verification Engineer, Lead Design Engineer, Design Office Manager

The Contractor shall confirm or provide in as necessary and in writing the names of the nominated individuals on a project by project basis. Where there is any uncertainty or ambiguity over any of these sub-divisions, immediate clarification shall be sought from the *Client*. In certain circumstances it may be appropriate for a separate enabling document to be issued as part of a contract to identify the individual responsibilities.

- 0.5.3 Sub-clauses requiring input from the '*Contract Administrator*' are summarised in the Appendices. It should be noted that the role sub-divisions (e.g. *Contract Administrator - Client*, *Contract Administrator – Supervisor*, etc) are not identified in the relevant sub-clauses for consistency with CESWI6 which employs the term '*Contract Administrator*' only.

APPENDIX I NOT USED

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APPENDIX II LIST OF STANDARDS TO WHICH REFERENCE IS MADE IN THE NATIONAL GRID SUPPLEMENTARY SPECIFICATION

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS	31	Specification for steel conduit and fittings - For electrical wiring	2.157.6
BS EN	31	Pedestal wash basins - Connecting dimensions	2.133.1
BS EN	32	Wall-hung wash basins - Connecting dimensions	2.133.1
BS EN	33	Pedestal W.C. pans with close-coupled flushing cistern - Connecting dimensions	2.133.1
BS EN	37	Pedestal W.C. pans with independent water supply - Connecting dimensions	2.133.1
BS ISO	37	Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties	2.135.1
BS ISO	48	Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD)	2.135.1
BS	65	Specification for vitrified clay pipes, fittings and ducts, also flexible mechanical joints for use solely with surface water pipes and fittings	2.89.2, 2.89.6
BS EN	111	Wall-hung hand rinse basins - Connecting dimensions	2.133.1
BS EN	120	Wood based panels - Determination of formaldehyde content - Extraction method called the perforator method	2.19.1
BS EN	124	Gully Tops and Manhole Tops for Vehicular and Pedestrian Areas - Design Requirements, Type Testing, Marking, Quality Control	2.170.3
CP	143	Sheet Roof and Wall Coverings	
		Part 5: Zinc	2.106.1
		Part 10: Galvanized Corrugated Steel	2.106.1
		Part 15: Aluminium. Metric Units	2.106.1, 6.54.1
BS	148	Reclaimed mineral insulating oil for transformers and switchgear - Specification	2.170.1, 2.177.5, 2.177.6
BS EN ISO	150	Raw, refined and boiled linseed oil for paints and varnishes - Specifications and methods of test	2.86.2
BS EN	179	Building hardware - Emergency exit devices operated by a lever handle or push pad, for use on escape routes - Requirements and test methods	2.32.3
BS EN	196	Methods of testing cement	
		Part 2: Chemical analysis of cement	2.15.1 (a), 2.21.2

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	197	Cement Part 1: Composition, specifications and conformity criteria for common cements Part 4: Composition, specifications and conformity criteria for low early strength blastfurnace cements	2.15.1 (a), 2.15.1(b), 2.169.2 2.15.1(a)
BS EN	200	Sanitary tapware - Single taps and combination taps for water supply systems of type 1 and type 2	2.133.1
BS EN	204	Classification of thermoplastic wood adhesives for non-structural applications	2.123.2
BS EN	206	Concrete Part 1: Specification, performance, production and conformity	2.20.6, 4.1.1
BS	245	Mineral solvents (white spirit and related hydrocarbon solvents) for paints and other purposes	2.86.10
BS EN	274	Waste fitting for sanitary appliances Part 1: Requirements Part 2: Test methods Part 3: Quality control	2.117.3, 2.133.1, 2.133.4 2.117.3, 2.133.1 2.117.3, 2.133.1
BS EN	300	Oriented strand boards (OSB) - Definitions, classification and specification	2.11.1
BS EN	312	Particleboards - Specifications	2.11.1
BS EN	315	Plywood - Tolerances for dimensions	2.94.1
BS EN	317	Particleboards and fibreboards - Determination of swelling in thickness after immersion in water	2.19.1
BS EN	357	Glass in building - Fire resistant glazed elements with transparent or translucent glass products - Classification for fire resistance	2.50.2
BS EN	338	Structural Timber - Strength classes	2.124.1
BS	381C	Colours for identification, coding and special purposes	6.56.5
BS	405	Uncoated expanded metal carbon steel sheets for general purposes	2.192.1
BS EN	413	Masonry cement Part 1: Composition, specifications and conformity criteria	2.15.1 (a)
BS	416	Discharge and ventilating pipes and fittings, sand-cast or spun in cast iron Part 1: Specification for spigot and socket systems	2.117.1

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS	417	Galvanized mild steel cisterns and covers, tanks and cylinders Part 2: Metric units	2.133.1
BS EN	446	Grout for prestressing tendons - Grouting procedures	4.32.7, 4.36.1
BS EN	447	Grout for prestressing tendons - Basic requirements	2.169.3, 4.32.7
BS EN	450	Fly ash for concrete Part 1: Definition, specifications and conformity criteria	2.15.1(b), 2.109.2, 4.1.2
BS	460	Cast iron rainwater goods - Specification	2.110.1
BS	466	Power driven overhead travelling cranes, semi-goliath and goliath cranes for general use	12.21.3
BS	476	Fire tests on building materials and structures Part 7: Method of test to determine the classification of the surface spread of flame of products Part 20: Method for determination of the fire resistance of elements of construction (general principles) Part 21: Methods for determination of the fire resistance of loadbearing elements of construction Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction Part 23: Methods for determination of the contribution of components to the fire resistance of a structure	2.195.2, 2.199.15 2.32.9, 2.166.2 2.166.2 2.32.9, 2.166.2, 2.176.2, 2.195.2 2.32.9, 2.166.2, 2.199.15
BS EN	485	Aluminium and aluminium alloys - Sheet, strip and plate Part 1: Technical conditions for inspection and delivery Part 2: Mechanical properties Part 3: Tolerances on dimensions and form for hot-rolled products	2.43.1, 2.141.1 2.43.1, 2.141.1 2.43.1, 2.141.1
BS EN	490	Concrete roofing tiles and fittings for roof covering and wall cladding - Product specifications	2.112.1
BS EN	491	Concrete roofing tiles and fittings for roof covering and wall cladding Test methods	2.112.1
BS EN	492	Fibre-cement slates and fittings Product specification and test methods	2.112.1
BS EN	494	Fibre-cement profiled sheets and fittings - Product specification and test methods	2.106.1
BS EN	501	Roofing products from metal sheet - Specification for fully supported roofing products of zinc sheet	2.106.1

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	502	Roofing products from metal sheets - Specification for fully supported products of stainless steel sheet	2.106.1
BS EN	504	Roofing products from metal sheets - Specification for fully supported roofing products of copper sheet	2.106.1
BS EN	505	Roofing products from metal sheets - Specification for fully supported roofing products of steel sheet	2.106.1
BS EN	506	Roofing products of metal sheet - Specification for self supporting products of copper or zinc sheet	2.106.1
BS EN	507	Roofing products from metal sheets - Specification for fully supported roofing products of aluminium sheet	2.106.1
BS EN	508	Roofing products from metal sheet - Specification for self supporting products of steel, aluminium or stainless steel sheet	
		Part 1: Steel	2.106.1
		Part 2: Aluminium	2.106.1
		Part 3: Stainless steel	2.106.1
BS EN	515	Aluminium and aluminium alloys - Wrought products - Temper designations	2.59.1, 2.69.5, 2.141.1
BS EN	520	Gypsum plasterboards - Definitions, requirements and test methods	2.11.1
BS EN	545	Ductile iron pipes, fittings, accessories and their joints for water pipelines – Requirements and test methods	2.36.7
BS EN	572	Glass in building - Basic soda lime silicate glass products	
		Part 2: Float glass	2.50.2
		Part 3: Polished wired glass	2.50.2
		Part 4: Drawn sheet glass	2.50.2
		Part 5: Patterned glass	2.50.2
		Part 6: Wired patterned glass	2.50.2
		Part 7: Wired or unwired channel shaped glass	2.50.2
		Part 9: Evaluation of conformity/Product standard	2.50.2
BS EN	573	Aluminium and aluminium alloys - Chemical composition and form of wrought products	
		Part 3: Chemical composition and form of products	2.59.1, 2.69.5, 2.141.1
BS EN	593	Industrial valves – Metallic butterfly valves	128.1
BS EN	607	Eaves gutters and fittings made of PVC-U. Definitions, requirements and testing	2.110.1
BS EN	612	Eaves gutters with bead stiffened fronts and rainwater pipes with seamed joints made of metal sheet	2.110.1

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	622	Fibreboards specifications	
		Part 2: Requirements for hardboards	2.11.1
		Part 3: Requirements for medium boards	2.11.1
		Part 4: Requirements for softboards	2.11.1
		Part 5: Requirements for dry process boards (MDF)	2.11.1
BS EN	634	Cement-bonded particle boards - Specification	
		Part 1: General requirements	2.11.1
		Part 2: Requirements for OPC bonded particleboards for use in dry, humid and external conditions	2.11.1
BS EN	635	Plywood – Classification by surface appearance	
		Part 1: General	2.94.1
		Part 2: Hardwood	2.94.1
		Part 3: Softwood	2.94.1
BS EN	636	Plywood specifications	2.94.1
BS EN ISO	636	Welding consumables - Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels - Classification	2.37.4
BS EN	639	Common requirements for concrete pressure pipes including joints and fittings	2.104.1
BS EN	642	Prestressed concrete pressure pipes, cylinder and non-cylinder, including joints, fittings and specific requirement for prestressing steel for pipes	2.104.1
BS	644	Timber windows - Fully finished factory-assembled windows of various types - Specification	2.137.1
BS	648	Schedule of weights of building materials	
BS EN	649	Resilient floor coverings - Homogeneous and heterogeneous polyvinyl chloride floor coverings - Specification	2.44.1
BS EN	650	Resilient floor coverings - Polyvinyl chloride floor coverings on jute backing or on polyester felt backing or on polyester felt with polyvinyl chloride backing - Specification	2.44.1
BS EN	654	Resilient floor coverings - Semi-flexible polyvinyl chloride tiles - Specification	2.44.1
BS EN	681	Elastomeric seals - Material requirements for pipe joint seals used in water and drainage applications	
		Part 1: Vulcanized rubber	2.103.2
		Part 2: Thermoplastic elastomers	2.103.2
BS EN	682	Elastomeric seals - Materials requirements for seals used in pipes and fittings carrying gas and hydrocarbon fluids	2.103.2

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS	743	Materials for damp-proof courses	2.31.1
BS	747	Roofing Felts	2.201.1
BS EN	754	Aluminium and aluminium alloys - Cold drawn rod/bar and tube	
		Part 7: Seamless tubes, tolerances on dimensions and form	2.141.1
		Part 8: Porthole tubes, tolerances on dimensions and form	2.141.1
BS EN	755	Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles	
		Part 1: Technical conditions for inspection and delivery	2.69.5, 2.141.1
		Part 2: Mechanical properties	2.69.5, 2.141.1
		Part 3: Round bars, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 4: Square bars, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 5: Rectangular bars, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 6: Hexagonal bars, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 7: Seamless tubes, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 8: Porthole tubes, tolerances on dimensions and form	2.69.5, 2.141.1
		Part 9: Profiles, tolerances on dimensions and form	2.69.5, 2.141.1
BS EN	771	Specification for masonry units	
		Part 1: Clay masonry units	2.13.1, 2.13.2, 2.31.1
		Part 2: Calcium silicate masonry units	2.13.1
		Part 3: Aggregate concrete masonry units (dense and light-weight aggregates)	2.13.1
		Part 4: Autoclaved aerated concrete masonry units	2.13.1
		Part 5: Manufactured stone masonry units	2.13.1, 2.14.2
		Part 6: Natural stone masonry units	2.13.1
BS EN	805	Water Supply - Requirements for systems and components outside buildings	7.9.10

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	845	Specification for ancillary components for masonry Part 1: Ties, tension straps, hangers and brackets Part 2: Lintels Part 3: Bed joint reinforcement of steel meshwork	2.68.1, 2.79.1 2.72.1, 6.32.2 2.192.1
BS EN	858	Separator systems for light liquids (e.g. oil and petrol) Part 1: Principles of product design, performance and testing, marking and quality control Part 2: Selection of nominal size, installation, operation and maintenance	2.177.4, 2.177.5, 7.29.1 2.177.4
BS EN	877	Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings - Requirements, test methods and quality assurance	2.117.1
BS EN	934	Admixtures for concrete, mortar and grout Part 3: Admixtures for masonry mortar - Definitions, requirements, marking and labelling Part 5: Admixtures for sprayed concrete - Definitions, requirements, conformity, marking and labelling	2.81.3 2.3.4
BS EN	942	Timber in joinery - General requirements	7.37.2
BS EN	988	Zinc and zinc alloys. Specification for rolled flat products for building	2.43.1
BS EN	997	WC pans and WC suites with integral trap	2.133.1
BS EN	998	Specification for mortar for masonry Part 1: Rendering and Plastering Mortar Part 2: Masonry mortar	2.81.2 2.81.2
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	2.132.2
BS	1010	Draw-off taps and stopvalves for water services (screwdown pattern) Part 2: Draw-off taps and above ground stopvalves	2.133.1
BS EN	1011	Welding - Recommendations for welding of metallic materials Part 1: General guidance for arc welding	12.5.2
BS EN	1015	Methods of test for mortar for masonry Part 1: Determination of particle size distribution (by sieve analysis) Part 2: Bulk sampling of mortars and preparation of test mortars	7.36.3 7.36.3

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	1015	Part 3: Determination of consistence of fresh mortar (by flow table)	7.36.3
		Part 4: Determination of consistence of fresh Mortar (by plunger penetration)	7.36.3
		Part 6: Determination of bulk density of fresh mortar	7.36.3
		Part 7: Determination of air content of fresh mortar	7.36.3
		Part 9: Determination of workable life and correction time of fresh mortar	7.36.3
		Part 10: Determination of dry bulk density of hardened mortar	7.36.3
		Part 11: Determination of flexural and compressive strength of hardened mortar	7.36.3, 7.36.6
		Part 17: Determination of water-soluble chloride content of fresh mortars	7.36.3
		Part 18: Determination of water absorption coefficient due to capillary action of hardened	7.36.3
BS	1052	Specification for mild steel wire for general engineering purposes	2.126.1
BS EN	1074	Valves for water supply – Fitness for purpose requirements and appropriate verification tests	
		Part 1: General requirements	2.128.1
		Part 2: Isolating valves	2.128.1
		Part 3: Check valves	2.128.1
		Part 4: Air valves	2.128.1
		Part 5: Control valves	2.128.1
BS EN	1090	Execution of steel structures and aluminium structures	
		Part 2: Technical requirements for the execution of steel structures	2.121.2, 2.158.4, 6.26.2, 7.31.1, 7.34.1, 12.1.1, 12.1.2, 12.4.1, 12.4.5, 12.9.1, 12.12.1, 12.13.1, 12.17.2, 12.17.10, 12.21.3
		Part 3: Technical requirements for aluminium structures	2.193.1, 12.1.1, 12.1.2, 12.4.1, 12.4.5
BS EN	1092	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated	
		Part 1: Steel flanges	2.84.2
		Part 2: Cast iron flanges	2.84.2

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS	1125	WC flushing cisterns (including dual flush cisterns and flush pipes)	2.133.1
BS EN	1125	Building hardware - Panic exit devices operated by a horizontal bar, for use on escape routes - Requirements and test methods	2.32.3
BS EN	1154	Building hardware - Controlled door closing devices - Requirements and test methods	2.32.3
BS	1161	Aluminium alloy sections for structural purposes	2.141.1
BS EN	1168	Precast concrete products - Hollow core slabs	2.183.1
BS EN	1171	Industrial valves – Cast iron gate valves	2.128.1
BS EN	1172	Copper and copper alloys - Sheet and strip for building purposes	2.43.1
BS	1186	Timber for and workmanship in joinery	
		Part 2: Specification for workmanship	6.19.2
		Part 3: Specification for wood trim and its fixing	2.64.3, 6.19.2
BS	1188	Ceramic wash basins and pedestals	2.133.1
BS EN	1192	Doors - Classification of strength requirements	2.32.8
BS	1202	Nails	
		Part 1: Steel nails	2.82.1
		Part 2: Copper nails	2.82.1
		Part 3: Aluminium nails	2.82.1
BS	1206	Fireclay sinks - Dimensions and workmanship	2.133.1
BS	1212	Float operated valves (excluding floats)	
		Part 2: Diaphragm type float operated valves (copper alloy body) (excluding floats)	2.133.1
		Part 3: Specification for diaphragm type float operated valves (plastics bodied) for cold water services only (excluding floats)	2.133.1
BS	1217	Cast stone - Specification	2.44.1
BS	1245	Metal door frames (Steel)	2.32.3
BS	1254	WC seats (plastics)	2.133.1
BS EN	1254	Copper and copper alloys	
		Part 1: Plumbing fittings. Fittings with ends for capillary soldering or capillary brazing to copper tubes	2.29.3
		Part 2: Plumbing fittings. Fittings with compression ends for use with copper tubes	2.29.3
BS EN	1287	Sanitary tapware - Low pressure thermostatic mixing valves - General technical specifications	2.133.1
BS EN	1304	Clay roofing tiles and fittings - Product definitions and specifications	2.112.1

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	1313	Round and sawn timber - Permitted deviations and preferred sizes	
		Part 1: Softwood sawn timber	6.47.2
		Part 2: Hardwood sawn timber	6.47.2
BS	1329	Metal hand rinse basins	2.133.1
BS EN	1329	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized Poly(Vinyl Chloride) (PVC-U)	
		Part 1: Specifications for pipes, fittings and the system	2.117.1
BS EN	1338	Concrete paving blocks - Requirements and test methods	2.97.2
BS EN	1339	Concrete paving flags - Requirements and test methods	2.97.1
BS EN	1340	Concrete kerb units - Requirements and test methods	2.98.1
BS EN	1344	Clay pavers - Requirements and test methods	2.97.3
BS EN ISO	1346	Fibre ropes Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high tenacity multifilament (PP3) 3-, 4- and 8-strand ropes	2.34.1
BS	1363	13 A plugs, socket-outlets, adaptors and connection units	
		Part 2: Specification for 13 A switched and unswitched socket-outlets	2.160.1, 2.160.2
BS EN	1363	Fire resistance tests	
		Part 1: General requirements	2.176.2
BS EN	1364	Fire resistance tests for non-loadbearing elements	
		Part 1: Walls	2.176.2
Pr EN	1364	Curtain walls	
		Part 3: Full configuration	2.106.10
		Part 4: Part configuration	2.106.10
		Part 5: Semi-natural fire test for facades and curtain walls	2.106.10
BS	1377	Methods of test for soils for civil engineering purposes	
		Part 4: Compaction-related tests	7.52.3, 7.52.4

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	1401	Plastic piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) PVC-U Part 1: Specifications for pipes, fittings and the system	2.127.3
BS EN	1423	Road marking materials - Drop on materials - Glass beads, antiskid aggregates and mixtures of the two	2.186.3
BS EN	1424	Road marking materials - Premix glass beads	2.186.3
BS EN	1433	Drainage channels for vehicular and pedestrian areas Classification, design and testing requirements, marking and evaluation of conformity	2.57.5
BS EN	1436	Road marking materials - Road marking performance for road users	2.186.1, 8.16.4
BS EN	1451	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polypropylene (PP) Part 1: Specifications for pipes, fittings and the system	2.117.1
BS EN	1452	Plastics Piping Systems for Water Supply - Unplasticized Poly (Vinyl Chloride) (PVC-U) Part 1: General Part 2: Pipes Part 3: Fittings	2.89.1 2.89.1 2.89.1
BS EN	1455	Plastics piping systems for soil and waste (low and high temperature) within the building structure Acrylonitrile-butadiene-styrene (ABS) Part 1: Specifications for pipes, fittings and the system	2.117.1
BS EN	1457	Chimneys - Clay/ceramic flue liners - Requirements and test methods	2.13.1
BS EN ISO	1460	Metallic Coatings - Hot Dip Galvanized Coatings on Ferrous Materials - Gravimetric Determination of the Mass per Unit Area	2.42.1, 2.42.2
BS EN ISO	1461	Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods	2.63.2, 2.110.2, 2.145.2, 2.177.17, 2.181.2, 2.192.1, 7.34.4, 12.17.7
BS EN	1462	Brackets for eaves gutters. Requirements and testing	2.110.1
BS EN	1463	Road marking materials - Retroreflecting road studs Part 1: Initial performance requirements	2.186.4
BS	1494	Fixing Accessories for Building Purposes Part 1: Fixings for Sheet, Roof and Wall Coverings	2.106.9

STD TYPE	STD NO.	TITLE	REFERENCE(S)
BS EN	1519	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Polyethylene (PE) Part 1: Specifications for pipes, fittings and the system	2.117.1
BS EN	1559	Founding - Technical Conditions of Delivery Part 1: General Part 4: Additional Requirements for Aluminium Alloy Castings	2.59.1, 2.141.1 2.59.1, 2.141.1
BS EN	1563	Founding – Spheroidal graphite cast irons	2.84.2
BS EN	1565	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Styrene Copolymer Blends (SAN+PVC) Part 1: Specifications for pipes, fittings and the system	2.117.1
BS	1566	Copper cylinders for domestic purposes Part 1: Open vented copper cylinders requirements and test methods	2.172.1
BS EN	1566	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Chlorinated Poly(Vinyl Chloride) (PVC-C) Part 1: Specifications for pipes, fittings and the system	2.117.1
BS EN	1600	Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat resisting steels - Classification	2.37.2
BS EN	1610	Construction and testing of drains and sewers	7.21.1, 7.21.2
CEN ENV	1627	Windows, doors, shutters - Burglar resistance - Requirements and classification	2.32.8
BS EN	1676	Aluminium and aluminium alloys - Alloyed ingots for remelting - Specifications	2.59.1, 2.141.1
BS EN	1706	Aluminium and aluminium alloys - Castings - Chemical composition and mechanical properties	2.59.1, 2.141.1
BS EN	1790	Road marking materials - Performed road markings	2.186.2
BS EN	1796	Plastic piping systems for water supply with or without pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP)	2.51.1
BS EN	1806	Chimneys Clay/ceramic flue blocks for single wall chimneys Requirements and test methods	2.13.1
BS ISO	1817	Rubber, vulcanized - Determination of the effect of liquids	2.135.1
BS EN	1858	Chimneys - Components - Concrete flue blocks	2.13.1

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BS EN	1871	Road marking materials - Physical properties	2.186.2
BS	1876	Automatic flushing cisterns for urinals	2.133.1
BS EN	1916	Concrete pipes and fittings, unreinforced, steel fibre and reinforced	2.89.2, 2.101.6
BS EN	1917	Concrete manholes and inspection chambers, unreinforced, steel fibre and reinforced	2.99.1
BS	1968	Floats for ballvalves (Copper)	2.133.1
BS EN	1992	Eurocode 2: Design of concrete structures Part 1-1: General rules and rules for buildings	2.184.1, 4.33.1
BS EN	1994	Eurocode 4: Design of composite steel and concrete structures Part 1-1: General rules and rules for buildings	12.16.1
BS EN	1995	Eurocode 5: Design of timber structures Part 1-1: General rules and rules for buildings & UK National Annex	2.124.1, 2.197.1, 6.19.2
BS EN	1996	Eurocode 6: Design of masonry structures Part 2: Design considerations, selection of materials and execution of masonry	2.81.5, 6.1.1
BS	2000	Bitumen and bituminous binders Part 49: Determination of needle penetration Part 58: Determination of the softening point - Ring and ball method	2.148.3 2.148.3
BS EN ISO	2063	Thermal spraying - Metallic and other inorganic coatings - Zinc, aluminium and their alloys	7.34.5, 7.34.6
BS EN ISO	2081	Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel	2.42.2
BS EN ISO	2082	Metallic and other inorganic coatings - Electroplated coatings of cadmium with supplementary treatments on iron or steel	2.42.2
BS EN ISO	2178	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method	7.34.3
BS	2456	Floats (Plastics) for Float Operated Valves for Cold Water Services	2.133.1
BS	2484	Specification for Straight concrete and clayware cable covers	2.151.1
BS EN ISO	2560	Welding consumables - Covered electrodes for manual metal arc welding of non-alloy and fine grain steels - Classification	2.37.2
BS	2571	Specification for general-purpose flexible PVC Compounds for moulding and extrusion	2.53.4, 2.135.3

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BS	2782	Methods of Testing Plastics	2.150.5
BS	2853	Design and testing of steel overhead runway beams	7.32.1
BS	2879	Draining taps (screw-down pattern)	2.133.1
BS ISO	3384	Rubber, vulcanized or thermoplastic - Determination of stress relaxation in compression at ambient and at elevated temperatures	2.135.1
BS	3402	Quality of vitreous china sanitary appliances	2.133.1
BS	3416	Bitumen-based coatings for cold application, suitable for use in contact with potable water	2.63.2, 12.15.2
BS	3506	Specification for Unplasticized PVC pipe - For industrial uses	2.89.1
BS EN ISO	3506	Mechanical properties of corrosion-resistant stainless-steel fasteners	
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		Part 2: Nuts	2.42.2
		Part 3: Set screws and similar fasteners not under tensile stress	2.42.2
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BS	3690	Bitumens for building and civil engineering	
		Part 1: Specification for bitumens for roads and other paved areas	2.148.4
		Part 2: Bitumens for industrial purposes	2.148.4
BS	3749	E Glass fibre woven roving fabrics for the reinforcement of polyester and epoxy resin systems	2.52.2
BS	3837	Expanded polystyrene boards. Boards and blocks manufactured from expandable beads. Requirements and test methods	2.19.1
BS	3868	Prefabricated drainage stack units in galvanized steel	2.110.1
BS	3882	Specification for topsoil and requirements for use	7.51.1
BS EN ISO	4014	Hexagon Head Bolts - Product Grades A and B	2.84.7
BS EN ISO	4016	Hexagon Head Bolts - Product Grade C	2.84.1, 2.84.7
BS	4027	Sulphate resisting Portland cement	2.15.1 (a)
BS EN ISO	4032	Hexagon Nuts, Style 1 - Product Grades A and B	2.84.7
BS EN ISO	4034	Hexagon Nuts - Product Grade C	2.84.1, 2.84.7
BS	4213	Cisterns for domestic use Cold water storage and combined feed and expansion (thermoplastic) cisterns up to 500 l - Specification	2.133.1

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BS	4320	Metal washers for general engineering purposes metric series	2.84.1, 2.84.7
BS	4428	Code of Practice for general landscape operations (excluding hard surfaces)	3.9.5, 2.55.2
BS	4449	Steel for the reinforcement of concrete - Weldable reinforcing steel - Bar, coil and decoiled product - Specification	2.118.1, 2.192.1
BS	4482	Steel wire for the reinforcement of concrete products - Specification	2.118.1, 2.192.1
BS	4483	Steel fabric for the reinforcement of concrete - Specification	2.118.1, 2.192.1
BS	4486	Hot Rolled and Hot Rolled and Processed High Tensile Alloy Steel Bars for the Prestressing of Concrete	2.184.1
BS	4514	Unplasticized PVC soil and ventilating pipes of 82.4 mm minimum mean outside diameter, and fittings and accessories of 82.4mm and of other sizes. Specification	2.117.1
BS	4533	Luminaires Part 102: Particular requirements Section 102.1: Specification for fixed general purpose luminaires	2.167.1
BS	4551	Mortar - Methods of test for mortar - Chemical analysis and physical testing	7.36.3
BS	4568	Steel Conduit and Fittings with Metric Thread of ISO Form for Electrical Installations Part 1: Steel Conduit, Bends and Couplers	2.157.2, 2.157.3
BS	4592	Industrial type flooring and stair treads. Part 0: Common design requirements and recommendations for installation Part 4: Glass reinforced plastics (GRP) open bar gratings - Specification Part 6: Glass reinforced plastics (GRP) moulded open mesh gratings and protective barriers - Specification	12.19.1 2.170.1 2.170.1
BS	4660	Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage	2.89.2, 2.127.3
BS	4787	Internal and external wood doorsets, door leaves and frames Part 1: Specification for dimensional requirements	2.32.3
BS	4800	Schedule of paint colours for building purposes	2.170.5, 5.21.4, 12.21.5

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BS	4873	Aluminium alloy windows and doorsets - Specification	2.137.1
BS	4880	Urinals	
		Part 1: Stainless steel slab urinals	2.133.1
BS	4921	Sherardized coatings on iron and steel	2.63.2
BS	4965	Decorative laminated plastics sheet veneered boards and panels	2.11.1
BS	4978	Visual strength grading of softwood - Specification	2.124.1
BS	5080	Structural fixings in concrete and masonry	
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		Part 2: Method for determination of resistance to loading in shear	2.84.11
BS	5154	Copper Alloy Globe, Globe Stop and Check, Check and Gate Valves	2.128.1
BS	5158	Cast iron plug valves	2.128.1
BS	5212	Cold applied joint sealant systems for concrete pavements	
		Part 2: Code of Practice for the application and use of joint sealants	2.66.3
BS	5234	Partitions (including matching linings)	
		Part 1: Code of practice for design and installation	12.20.1
		Part 2: Specification for performance requirements for strength and robustness including methods of test	2.176.1
BS	5254	Polypropylene waste pipe and fittings (external diameter 34.6mm, 41.0mm and 54.1mm)	2.117.1
BS	5284	Methods of sampling and testing mastic asphalt used in building and civil engineering	7.40.2, 7.41.2
BS	5378	Safety Signs and Colours	
		Part 2: Specification for Colorimetric and Photometric Properties of Materials	2.177.32
BS	5385	Wall and floor tiling	
		Part 1: Design and installation of ceramic, natural stone and mosaic wall tiling in normal internal conditions – Code of Practice	6.18.1
		Part 2: Design and installation of external ceramic, and mosaic wall tiling in normal conditions – Code of Practice	6.18.1
		Part 4: Design and installation of ceramic, and mosaic wall tiling in special conditions – Code of Practice	6.18.1

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BS	5395	Stairs, ladders and walkways Part 3: Code of practice for the design of industrial type stairs, permanent ladders and walkways	2.69.2
BS	5433	Underground stopvalves for water services	2.133.1
BS	5467	Electric cables - Thermosetting insulated, armoured cables for voltages of 600/1 000 V and 1 900/3 300 V	2.150.6
BS	5493	Code of Practice for protective coating of iron and steel structures against corrosion	6.26.1
BS	5504	Wall hung WC pan Part 1: Wall hung WC pan with close coupled cistern - Connecting dimensions Part 2: Wall hung WC pan with independent water supply - Connecting dimensions	2.133.1 2.133.1
BS	5506	Wash basins Part 3: Wash basins (one or three tap holes), materials, quality, design and construction	2.133.1
BS	5520	Vitreous china bowl urinals - Rimless type	2.133.1
BS	5531	Code of Practice for safety in erecting structural frames	12.13.1
BS	5534	Code of Practice for slating and tiling (including shingles)	2.82.2, 2.196.1, 6.27.1
BS	5606	Guide to accuracy in building	4.31.4, 12.19.3
BS	5627	Plastic connectors for use with horizontal outlet vitreous china WC pans	2.133.1
BS	5628	Code of Practice for the use of masonry Part 3: Materials and components, design and workmanship	2.81.5, 6.1.1, 6.19.4
BS	5733	General Requirements for Electrical Accessories	2.160.4
BS	5896	Specification for High tensile steel wire and strand for the prestressing of concrete	2.184.1
BS	5911	Concrete pipes and ancillary concrete products Part 1: Specification for unreinforced and reinforced concrete pipes (including jacking pipes) and fittings with flexible joints (complementary to BS EN 1916:2002) Part 5: Specification for prestressed non-pressure pipes and fittings with flexible joints Part 6: Specification for road gullies and gully cover slabs	2.89.2, 2.104.1 2.89.2, 2.104.1 2.57.1

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BS	5964	Building setting out and measurement Part 1: Methods of measuring, planning and organization and acceptance criteria Part 2: Measuring stations and targets	1.8.8, 1.8.10, 1.8.13, 1.8.15, 7.56.1 1.8.7
BS	5970	Code of Practice for thermal insulation of pipework and equipment in the temperature of -100 degrees C to + 870 degrees C	2.179.1, 2.180.1
BS	6004	Electric cables PVC insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring	2.177.26
BS	6037	Code of practice for the planning, design, installation and use of permanently installed access equipment Part 1: Suspended access equipment Part 2: Travelling ladders and gantries	7.32.1 7.32.1
BS	6150	Painting of buildings - Code of Practice	6.26.1
BS	6180	Barriers in and about buildings - Code of Practice	2.59.1
BS	6187	Code of Practice for demolition	1.7.2, 3.16.2
BS	6206	Impact performance requirements for flat safety glass and safety plastics for use in buildings	2.50.2
BS	6262	Code of Practice for glazing for buildings	6.25.1
BS	6297	Code of Practice for the design and installation of drainage fields for use in wastewater treatment	2.52.4
BS	6340	Shower units Part 8: Prefabricated shower trays made from glazed ceramic	2.133.1
BS	6346	Electric cables - PVC insulated, armoured cables for voltages of 600/1 000 V and 1 900/3 300 V	2.150.6
BS	6375	Performance of windows and doors Part 1: Classification for weathertightness and guidance on selection and specification Part 2: Classification for operation and strength characteristics and guidance on selection and specification Part 3: Classification for additional performance characteristics and guidance on selection and specification	2.32.8 2.32.8 2.32.8
BS	6398	Bitumen damp-proof courses for masonry	2.31.1
BS	6446	Specification for manufacture of glued structural components of timber and wood based panels	6.19.2
BS	6510	Steel-framed windows and glazed doors	2.32.3, 2.137.1

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BS	6515	Polyethylene damp-proof courses for masonry	2.31.1
BS	6576	Code of Practice for diagnosis of rising damp in walls of buildings and installation of chemical damp-proof courses	6.4.4
BS	6610	Pozzolanic pulverised-fuel ash cement	2.15.1 (a)
BS	6700	Design, installation, testing and maintenance of services supplying water for domestic use within buildings and their cartilages - Specification	2.179.2, 6.31.16, 7.26.1
BS	6724	Electric cables - Thermosetting insulated, armoured cables for voltages of 600/1000 V and 1900/3300 V, having low emission of smoke and corrosive gases when affected by fire	2.150.6, 2.153.4
BS	6744	Stainless steel bars for the reinforcement of and use in concrete. Requirements and test methods	2.118.1, 2.192.1
BS	6915	Design and construction of fully supported lead sheet roof and wall coverings - Code of Practice	2.43.3, 2.43.4, 6.53.1
BS	6925	Mastic asphalt for building and civil engineering (limestone aggregate)	2.31.1, 2.201.1
BS	6946	Metal channel cable support systems for electrical installations	2.152.1
BS	7211	Electric cables Thermosetting insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring, and having low emission of smoke and corrosive gases when affected by fire	2.153.7
BS	7334	Measuring instruments for building construction	
		Part 1: Methods for determining accuracy in use: Theory	7.56.6
		Part 2: Methods for determining accuracy in use: Measuring tapes	7.56.6
		Part 3: Methods for determining accuracy in use: Optical levelling instruments	7.56.6
		Part 4: Methods for determining accuracy in use of Theodolites	7.56.6
BS	7334	Part 5: Methods for determining accuracy in use of optical plumbing instruments	7.56.6
		Part 6: Methods for determining accuracy in use of laser instruments	7.56.6
		Part 7: Methods for determining accuracy in use of instruments when used for setting out	7.56.6
		Part 8: Methods for determining accuracy in use Electronic distance-measuring instruments up to 150m	7.56.6

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BS	7371	Coatings on metal fasteners Part 12: Requirements for imperial fasteners	2.42.2
BS	7412	Specification for windows and doorsets made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles	2.32.3, 2.137.1
BS	7414	White PVC-U extruded hollow profiles with heat welded corner joints for plastics windows: Materials Type B	2.137.1
BS	7430	Code of Practice for earthing	13.2.1, 13.8.4
BS	7533	Pavements constructed with clay, natural stone or concrete pavers Part 3: Code of Practice for laying precast concrete paving blocks and clay pavers for flexible pavements Part 4: Code of Practice for the construction of pavements of precast concrete flags or natural stone slabs Part 6: Code of Practice for laying natural stone, precast concrete and clay kerb units Part 11: Code of Practice for the opening, maintenance and reinstatement of pavements of concrete, clay and natural stone	8.13.1 8.12.1 8.10.1 8.12.1, 8.13.1
BS	7671	Requirements for electrical installations - IEE wiring regulations - Seventeenth edition	2.149.7, 2.177.15, 7.57.1, 13.1.1
BS	7775	Penstocks for use in water and other liquid flow applications - Specification	128.1
BS	7874	Method of test for microbiological deterioration of elastomeric seals for joints in pipework and pipelines	2.103.2
BS	7919	Electric cables - Flexible cables rated up to 450/750 V, for use with appliances and equipment intended for industrial and similar environments	2.153.5, 13.8.3
BS	8000	Workmanship on building sites Part 3: Code of practice for masonry Part 4: Code of Practice for waterproofing Part 5: Code of Practice for carpentry, joinery and general fixings Part 6: Code of Practice for slating and tiling of roofs and claddings Part 7: Code of Practice for glazing Part 8: Code of Practice for plasterboard partitions and dry lining	6.1.1, 6.3.1, 6.32.2 4.39.1, 6.29.2, 6.30.2, 6.45.1 6.19.2, 6.46.1, 6.46.5, 7.37.1 6.48.1, 6.49.1, 6.50.1 6.25.1 6.11.3

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		Part 11: Code of Practice for wall and floor tiling Section 11.1: Ceramic tiles, terrazzo tiles and mosaics	6.15.6, 6.15.7 6.18.1
		Part 11: Code of Practice for wall and floor tiling Section 11.2: Natural stone tiles	6.15.6, 6.15.7
		Part 12: Code of Practice for decorative wallcoverings and painting	6.26.1
		Part 13: Code of Practice for above ground drainage and sanitary appliances	6.38.2
		Part 14: Code of Practice for below ground drainage	6.38.2
		Part 16: Code of Practice for sealing joints in buildings using sealants	6.55.1
BS	8204	Screeds, bases and in situ floorings	
		Part 1: Concrete bases and cement sand levelling screeds to receive floorings Code of Practice	2.154.1, 6.14.1, 6.14.6, 6.14.12, 7.43.1
		Part 2: Concrete wearing surfaces Code of practice	6.14.1, 6.14.6, 6.14.12, 7.43.1
		Part 3: Polymer modified cementitious levelling screeds and wearing screeds Code of Practice	2.154.1, 6.14.1, 6.14.6, 6.14.12, 7.43.1
		Part 4: Cementitious terrazzo wearing surfaces Code of practice	7.43.1
		Part 5: Mastic asphalt underlays and wearing surfaces Code of practice	2.76.5, 2.189.1, 6.14.1, 6.14.6, 6.14.12, 6.44.1, 7.41.1, 7.43.1
		Part 6: Synthetic resin floorings - Code of practice	6.14.1, 6.14.6, 6.14.12, 7.43.1
BS	8212	Code of practice for dry lining and partitioning using gypsum plasterboard	2.191.1, 6.11.3
BS	8218	Code of Practice for mastic asphalt roofing	2.76.4, 2.76.5, 2.175.1, 2.189.1, 2.200.1, 7.40.1
BS	8481	Design, preparation and application of internal gypsum, cement, cement and lime plastering systems - Specification	2.38.2, 2.78.3, 2.91.3, 6.10.4, 6.12.4
BS	8490	Guide to siphonic roof drainage systems	7.4.8

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BS EN	8500	Concrete - Complementary British Standard to BS EN 206-1	
		Part 1: Method of specifying and guidance for the specifier	2.20.6, 2.20.7, 4.1.1, 4.3.1,
		Part 2: Specification for constituent materials and concrete	4.5.3
BS	8666	Scheduling, dimensioning, bending and cutting of steel reinforcement for concrete - Specification	4.14.5
BS EN ISO	9001	Quality Management Systems - Requirements	1.25.1, 1.25.6, 1.31.1, 2.52.4, 2.92.4, 2.142.5, 2.149.1, 2.177.1, 2.188.1, 2.197.3, 12.17.1
BS EN ISO	9445	Continuously cold-rolled stainless steel narrow strip, wide strip, plate/sheet and cut lengths Tolerances on dimensions and form	2.42.1, 2.42.2, 2.69.4
BS EN ISO	9554	Fibre ropes General specifications	2.34.1
BS EN ISO	10012	Measurement management systems - Requirements for measurement processes and measuring equipment	7.56.7
BS EN	10025	Hot rolled products of structural steels	
		Part 1: General technical delivery conditions	2.119.1
		Part 2: Technical delivery conditions for non-alloy structural steels	2.59.1, 2.119.1, 2.192.1
BS EN	10029	Tolerances on dimensions, shapes and mass for hot rolled steel plates 3mm thick or above	2.69.4
BS EN	10048	Hot rolled narrow steel strip – Tolerances on dimensions and shape	2.69.4
BS EN	10051	Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels – Tolerances on dimensions and shape	2.69.4
BS EN	10080	Steel for the reinforcement of concrete. Weldable reinforcing steel. General	2.118.1
BS EN	10083	Steels for quenching and tempering	
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BS EN	10084	Case Hardening Steels - Technical Delivery Conditions	2.42.1, 2.42.2, 2.59.1, 2.69.4, 2.113.2
BS EN	10085	Nitriding Steel - Technical Delivery Conditions	2.42.1, 2.42.2, 2.59.1, 2.69.4, 2.113.2

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BS EN	10087	Free cutting steels Technical delivery conditions for semi-finished products, hot-rolled bars and rods	2.42.1, 2.42.2, 2.59.1, 2.69.4, 2.113.2
BS EN	10088	Stainless steels Part 1: List of stainless steels Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes	2.59.1, 2.118.1, 2.192.1 2.59.1, 2.82.1, 2.118.1
BS EN	10095	Heat Resisting Steels and Nickel Alloys	2.26.4, 2.42.1, 2.42.2, 2.59.1, 2.69.4, 2.113.2
BS EN	10216	Seamless steel tubes for pressure purposes – Technical delivery conditions Part 1: Non-alloy steel tubes with specified room temperature properties	2.36.3
BS EN	10217	Welded steel tubes for pressure purposes – Technical delivery conditions Part 1: Non-alloy steel tubes with specified room temperature properties	2.36.3
BS EN	10224	Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids – Technical delivery conditions	2.36.3
BS EN	10230	Steel wire nails Part 1: Loose nails for general applications	2.82.1
BS EN	10250	Open die steel forgings for general engineering purposes Part 4: Stainless steels	2.42.1, 2.42.2, 2.59.1, 2.69.4, 2.113.2
BS EN	10296	Welded circular steel tubes for mechanical and general engineering purposes Technical delivery conditions Part 1: Non-alloy and alloy steel tubes Part 2: Stainless steel	2.59.1, 2.89.1 2.59.1
BS EN	10297	Seamless circular steel tubes for mechanical and general engineering purposes Technical delivery conditions Part 1: Non-alloy and alloy steel tubes	2.59.1
BS EN	10305	Steel tubes for precision applications Technical delivery conditions Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems	2.89.1