

# APPENDIX B

## PRODUCT CERTIFICATION SCHEMES

**TABLE B/1: (05/04) Matrix of Product Certification Bodies against Schemes, for products with markings and without markings, for which accreditation has been given by UKAS or for which acceptance has been granted by the Overseeing Organisations**

Certification Body	Schemes with markings					Schemes without markings
	Kitemark	Electric Cables	Reinforcing & Prestressing Steel	LRQA Mark	SGS Mark	Ready Mixed Concrete** (excluding foamed concrete)
						BS EN 206-1/ BS 8500
BSI	*					
BASEC		*				
CARES			*			
LRQA				*		
SGS					*	
Quality Scheme for RMC						*

(05/04) Note: \*\* - refers to section 2.1 below for detailed information and compliance.

The following is the list of accepted product certification schemes referred to in Clause 104.

### 1 (11/03) SCHEMES FOR PRODUCTS WITH MARKINGS

#### 1.1 (05/01) Kitemark



Certification Body (05/01):

**British Standards Institution**

389 Chiswick High Road

London

W4 4AL

Telephone : +44 (0) 20 8996 9000

Facsimile : +44 (0) 20 8996 7400

E Mail: info@bsi.org.uk

Standard	Title	Specification Series
BS 65	Specification for vitrified clay pipes, fittings and ducts	500
BS 437	Specification for cast iron spigot and socket drain pipes and fittings	500
BS 873-8	Specification for traffic cones and cylinders (11/03)	1200 Appx A
BS 1088-1	Marine plywood. Requirements (11/04)	300
BS 1088-2	Marine plywood. Determination of bonding quality using the knife test (11/04)	300

Standard	Title	Specification Series
BS 1447	Specification for mastic asphalt (limestone fine aggregate) for roads, footways and pavings in building (02/03)	900 1100
BS 3505	Specification for unplasticized polyvinyl chloride (PVC-U) pressure pipes for cold portable water (11/04)	500
BS 3506	Specification for unplasticised PVC pipe for industrial purposes	500
BS 3892-1	Pulverized-fuel ash. Part 1: Specification for pulverized-fuel ash for use with Portland cement (11/04)	500 1000
BS 3921	Specification for clay bricks	2400 2500
BS 4027	Specification for sulfate-resisting Portland cement (11/04)	2400
BS 4072	Copper/chromium/arsenic preparations for wood preservation (11/04)	300 1200
BS 4254	Specification for two-part polysulphide-based sealants (11/04)	1000
BS 4346-2	Joints and fittings for use with unplasticized PVC pressure pipes. Part 2: Mechanical joints and fittings, principally of unplasticized PVC (11/03)	500
BS 4660	Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage (02/03)	500
BS 4887-1	Mortar Admixtures. Specification for air-entraining (plasticizing) mixtures (11/03)	2400
BS 4962	1989. Specification for plastics pipes and fittings for use as sub-soil field drains (11/03)	500
BS 5224	Specification for masonry cement (05/01)	2400
BS 5481	Specification for unplasticised PVC pipe and fittings for gravity sewers	500
BS 5896	Specification for high tensile wire and strand for prestressing of concrete (02/03)	1700
BS 5911	Precast concrete pipes, fittings and ancillary products Part 103: Specification for prestressed non-pressure pipes and fittings with flexible joints Part 110: Specification for ogee pipes and fittings (including perforated) Part 114: Specification for porous pipes Part 230: Specification for road gullies and gully cover slabs	500 500 500 500
BS 6073-1	Specification for precast concrete masonry units (05/01)	500 2400
BS 6457	Specification for re-constructed stone masonry units (02/03)	2400
BS 6699	Specification for ground granulated blastfurnace slag for use with Portland cement (05/04)	1000
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control (02/03)	500 1500 2500
BS EN 197-1	Part 1. Composition, specification and conformity criteria for common cements (05/02) (Note: Voluntary quality marking of (BS EN 197-1) cement (such as Kitemark) has been replaced by CE Marking across Europe. CE marking is required for all BS EN 197-1 cements supplied on Overseeing Organisations' contracts) (05/04)	500 1000 1600 2400 2600

Standard	Title	Specification Series
BS EN 295	Vitrified clay pipes and fittings and pipe joints for drains and sewers Part 1: Requirements (11/04)	500 2500
BS EN 519	Structural timber. Grading. Requirements for machine strength Graded timber and grading machines	300
BS EN 598	Ductile iron pipes, fittings, accessories and their joints for sewerage applications. Requirements and test methods	500
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 (11/03)	500
BS EN 1423	Road marking materials. Drop on materials. Glass beads, anti-skid aggregates and mixtures of the two (11/04)	1200 2600
BS EN 1424	Road marking materials. Premix glass beads (11/04)	1200
BS EN 1452-1	Plastics piping systems for water supply - Unplasticized poly (vinyl chloride) (PVC-U) Part 1: General (11/04)	500
BS EN 1452-2	Plastics piping systems for water supply - Unplasticized poly (vinyl chloride) (PVC-U) Part 2: Pipes (11/04)	
BS EN 50086-1	Specification for conduit systems for cable management. General requirements (02/03)	1500
BS EN 50086-2-4	Specification for conduit systems for cable management. Particular requirements. Conduit systems buried underground (11/03)	500 1500
BS EN 60155	Glow-starters for fluorescent lamps (02/03)	1400
BS EN 60598-2-3	Luminaires - Particular requirements. Luminaires for road and street lighting (02/03)	1400
BS EN 60920	Specification for ballasts for tubular fluorescent lamps. General and safety requirements.	1400
BS EN 60921	Specification for ballasts for tubular fluorescent lamps Performance requirements	1400
BS EN 60922	Auxiliaries for Lamps. Ballasts for discharge lamps (excluding tubular fluorescent lamps). General and safety requirements (02/03)	1400
BS EN 60923	Auxiliaries for Lamps. Ballasts for discharge lamps (excluding tubular fluorescent lamps). Performance requirements (02/03)	1400
BS EN 61048	Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. General and safety requirements	1400
BS EN 61049	Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. Performance requirements	1400

1.2 (05/01) Electric Cables

Certification Body (11/03): British Approvals Service for Cables (BASEC)  
23 Presley Way  
Crownhill  
Milton Keynes  
MK8 0ES.  
  
Telephone: +44 (0) 1908 267300  
Facsimile: +44 (0) 1908 267255  
E mail: mail@basec.org.uk

Standard	Title	Specification Series
BS 5467	Specification for armoured electric cables having thermosetting insulation 600/1000V and 1900/3300V. (02/03)	1400
BS 6004	Electric cables. PVC-insulated, non-armoured cables for voltages up to and including 450/750V, for electric power, lighting and internal wiring. (08/03)	1400
BS 6346	Specification for 600/1000V and 1900/3300V armoured electric cables having PVC insulation. (08/03)	1200 1400

1.3 (05/01) Reinforcing and Prestressing Steel

Certification Body (05/01): UK Certification Authority for Reinforcing Steels (CARES)  
Pembroke House  
21 Pembroke Road  
Sevenoaks  
Kent  
TN13 1XR.  
  
Telephone: +44 (0) 1732 450000  
Facsimile: +44 (0) 1732 455917  
E Mail: general@ukcares.com

Standard	Title	Specification Series
BS 4447	Specification for the performance of prestressing anchorages for post-tensioned construction	1700
BS 4449	Specification for carbon steel bars for the reinforcement of concrete (11/04)	1000 1600 1700 2500
BS 8666	Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete. (Except that the Contractor or the manufacturer of precast concrete products may opt to obtain straight bars from a firm within the Scheme and cut and bend them on the Site or at the precasting works respectively provided the levels of inspection and quality assurance specified in BS 8666 are maintained). (11/04)	1600 1700
BS 4482	Specification for cold reduced steel wire for the reinforcement of concrete (11/04)	1000 1600 1700

Standard	Title	Specification Series
BS 4483	Steel fabric for the reinforcement of concrete (02/03)	1000 1700
BS 4486	Specification for hot rolled and hot rolled processed high tensile alloy steel bars for the prestressing of concrete (02/03)	1700
BS 5896	Specification for high tensile steel wire and strand for the prestressing of concrete	1700
BS 6744	Stainless steel bars for the reinforcement of and use in concrete - Requirements and test methods (11/04)	1600 1700 2400
Note	The supply and installation of post-tensioning systems in concrete structures is covered by a quality management scheme listed in Appendix A	

1.4 (05/01) LRQA Mark 

Certification Body (05/01): Lloyd's Register Quality Assurance Ltd.  
Hiramford  
Middlemarch Office Village  
Siskin Drive  
Coventry  
CV3 4FJ  
  
Telephone: +44 (0) 2476 518 630  
Facsimile: +44 (0) 2476 305 237  
E Mail: technical-helpdesk@lrqa.co.uk

Standard	Title	Specification Series
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control (02/03)	500 1500 2500

1.5 (05/01) SGS Mark 

Certification Body (11/03): SGS United Kingdom Ltd  
SGS House  
217 - 221 London Road  
Camberley  
Surrey  
GU15 3EY  
  
Telephone: +44 (0) 1276 691133  
Facsimile: +44 (0) 1276 691155  
E Mail: ukenquiries@sgs.com

Standard	Title	Specification Series
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control (02/03)	500 1500 2500

**2 (11/03) SCHEMES FOR PRODUCTS WITHOUT MARKINGS**

2.1 (05/04) Product conformity requirements of concrete to BS EN 206-1 and BS 8500

Certification Body (11/03): The Quality Scheme for Ready Mixed Concrete  
3 High Street  
Hampton  
Middlesex  
TW12 2SQ.  
  
Telephone: +44 (0) 20 8941 0273  
Facsimile: +44 (0) 20 8979 4558  
E Mail: qsrmc@qsrmc.co.uk

Specification: The supply of ready mixed concrete shall comply with the Specification for Highway Works (SHW).

Standard	Title	Specification Series
BS EN 206-1	Concrete Part 1: Specification, performance, production and conformity (11/04)	300
		400
		800
		1000
		1600
		1700
		2500
BS 8500	Concrete – Complementary British Standard to BS EN 206-1 (11/04)	2600
		300
BS 8500-1	Part 1: Method of specifying and guidance for the specifier (05/04)	400
		800
		1600
BS 8500-2	Part 2: Specification for constituent materials and concrete (05/04)	1700
		700
		1000
		1600
Note 1 (05/04):	When the supplier proposes to use a different product certification scheme or an organization registered to a different product certification scheme, he shall satisfactorily demonstrate to the Overseeing Organisation that the scheme provides equivalence in accordance with sub-Clauses 104.5 and 104.18 of the SHW for the concrete mixing plants supplying to the contract.	1700
		2600

Standard	Title	Specification Series
BS 5328	Concrete. Part 1: Guide to specifying concrete. Part 2: Methods for specifying concrete mixes. Part 3: Specification for the procedures to be used in producing and transporting concrete. Part 4: Specification for the procedures to be used in sampling, testing and assessing compliance of concrete.	800 1600* 1700*
Note 1 (11/03)	BSI will normally provide Kitemark certification to BS 5328. Companies wishing to be assessed against the SHW (Series 1600 and 1700) are required to advise BSI accordingly. See also Note 3 below.	
Note 2 (05/01)	The scope of a BSI assessed company is currently only indicated on the Kitemark Licence Schedule provided to a successfully assessed company and purchasers of concrete should therefore request a copy of the Kitemark Licence including the Schedules to confirm a company's capability to supply concrete to specification.	
Note 3 (11/03)	BS 5328 has been superseded by the British Standard BS EN 206-1 and its complementary British Standard BS 8500. BS 5328 will be withdrawn on 1 December 2003. Specifications for concrete to be supplied after 1 December 2003 should be prepared in accordance with BS 8500-1 with the requirement that the concrete conforms to BS 8500-2. Conformity testing in BS EN 206-1 replaces the compliance testing of BS 5328. The Overseeing Organisations will be issuing separate advice for Series 800, 1600 and 1700 concrete in respect of the introduction of European Standards for aggregates and concrete including suppression of section 2.1 of this appendix. Part 2 of this section (2.2) below covers the product conformity requirements for concrete to BS EN 206-1 and BS 8500.	
2.2 (11/03)	Product conformity requirements of concrete to BS EN 206-1 and BS 8500	
Certification Body (11/03):	<p>The Quality Scheme for Ready Mixed Concrete 3 High Street Hampton Middlesex TW12 2SQ.</p> <p>Telephone: +44 (0) 20 8941 0273 Facsimile: +44 (0) 20 8979 4558 E Mail: qsrmc@qsrmc.co.uk</p>	
Specification:	The supply of ready mixed concrete shall comply with the Specification for Highway Works (SHW).	

Standard	Title	Specification Series
BS EN 206-1	Concrete	400
	Part 1: Specification, performance, production and conformity	1000
		2200
		2600
		IRRRS*
BS 8500	Concrete – Complementary British Standard to BS EN 206-1	400
BS 8500-1	Part 1: Method of specifying and guidance for the specifier	1000
BS 8500-2	Part 2: Specification for constituent materials and concrete	2200
		2600
		IRRRS*
Note 1:	The Overseeing Organisations will be issuing separate advice for Series 800, 1600 and 1700 concrete in respect of the introduction of European Standards for aggregates and concrete.	
Note 2 :	When the supplier proposes to use a different product certification scheme or an organization registered to a different product certification scheme, he shall satisfactorily demonstrate to the Overseeing Organisation that the scheme provides equivalence in accordance with sub-Clauses 104.5 and 104.18 of the SHW for the concrete mixing plants supplying to the contract.	
* IRRRS - Interim Requirements for Road Restraint Systems		