

# APPENDIX B

## PRODUCT CERTIFICATION SCHEMES

**TABLE B/1: (11/02) Matrix of Product Certification Bodies against Schemes, Marked or Non-marked, for which approval has been granted by UKAS or the Highways Agency**

Certification Body	Marked Schemes					Non-marked Schemes (excluding foamed concrete)
	Kitemark	Electric Cables	Reinforcing & Prestressed Steel	LRQA Mark	SGS Mark	
BSI	*					*
BASEC		*				
CARES			*			
LRQA				*		
SGS					*	
Quality Scheme for RMC						*

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

### 1 MARKED SCHEMES

#### 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](mailto:info@bsi.org.uk)

Standard	Title	Specification Series
BS 65	Specification for vitrified clay pipes, fittings and ducts	500
BS 146	Specification for blastfurnace cements with strength properties outside the scope of BS EN 197-1 (02/03)	1000 1700 2600
BS 410-1	Test sieves. Technical requirements and testing. Test sieves of metal wirecloth (02/03)	710 1507
BS 410-2	Test sieves. Technical requirements and testing. Test sieves of perforated metal plate (02/03)	710 1507

Standard	Title	Specification Series
BS 437	Specification for cast iron spigot and socket drain pipes and fittings	500
BS 873-8	Specification for traffic cones and cylinders (05/01)	1200
BS 890	Specification for building limes (05/01)	600 2400
BS 1247	Manhole steps Part 1: Specification for galvanized ferrous or stainless steel manhole steps Part 2: Specification for plastics encapsulated manhole steps	500
BS 1447	Specification for mastic asphalt (limestone fine aggregate) for roads, footways and pavings in building (02/03)	900 1100
BS 3506	Specification for unplasticised PVC pipe for industrial purposes	500
BS 3892	Pulverized-fuel ash. Specification for pulverized-fuel ash to be used as a Type 1 addition (02/03)	500 1000
BS 3921	Specification for clay bricks	2400 2500
BS 4027	Specification for sulfate-resisting Portland cement	500 1700 2400 2600
BS 4346	Joints and fittings for use with unplasticized PVC pressure pipes.	500
BS 4449	Specification for carbon steel bars for the reinforcement of concrete (05/01)	400 1000 1700 2500
BS 4660	Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage (02/03)	500
BS 4887-1	Specification for air-entraining (plasticizing) mixtures (05/01)	2400
BS 4962	Specification for plastics pipes and fittings for use as sub-soil field drains	500
BS 5224	Specification for masonry cement (05/01)	2400
BS 5328	Concrete (Parts 1-4) (05/01)	1000 2600
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 100: Specification for unreinforced and reinforced pipes and fittings and fittings with flexible joints 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 200: Specification for un-reinforced and reinforced manholes and soakaways of circular cross section Part 230: Specification for road gullies and gully cover slabs	500 500 500 500 500 500
BS 6073-1	Specification for precast concrete masonry units (05/01)	500 2400

Standard	Title	Specification Series
BS 6087	Specification for flexible joints for grey or ductile cast iron drainpipes and fittings (BS 437) and for discharge and ventilating pipes and fittings (BS 416)	500
BS 6457	Specification for re-constructed stone masonry units (02/03)	2400
BS 6588	Specification for Portland pulverized-fuel ash cements	1000 1700 2600
BS 6677	Clay and calcium silicate pavers for flexible pavements Part 1: Specification for Pavers (02/03)	1100
BS 6699	Specification for ground granulated blastfurnace slag for use with Portland cement (02/03)	1000 1700
BS 6717	Precast concrete paving blocks (02/03)	1100
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)	500 1000 1600 1700 2400 2600
BS EN 295	Vitrified clay pipes and fittings and pipe joints for drains and sewers (Ports 1-7) (02/03)	500
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 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 (02/03)	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 florescent 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 (05/01): British Approvals Service for Cables (BASEC)  
23 Presley Way  
Crownhill  
Milton Keynes  
MK8 0ES.  
  
Telephone: +44 (0) 1980 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	Specification for PVC-insulated cables (non-armoured) for electric power and lighting	1400
BS 6346	Specification for PVC-insulated cables for electricity supply (02/03)	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	1000 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). (05/02)	1700
BS 4482	Specification for cold reduced steel wire for the reinforcement of concrete	1000 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 (02/03)	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 (05/01): SGS Yarsley ICS  
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@sgsgroup.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 NON-MARKED SCHEMES

### 2.1 (05/01) Ready Mixed Concrete

Certification Bodies (05/01):	<p>The Quality Scheme for Ready Mixed Concrete Ltd. 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> <p>British Standards Institution 389 Chiswick High Road London W4 4AL</p> <p>Telephone: +44 (0) 20 8996 9000 Facsimile: +44 (0) 20 8996 7400 E Mail: info@bsi.org.uk</p>
Specification:	The supply of ready mixed concrete shall comply with the Specification for Highway Works (SHW).

Standard	Title	Specification Series
BS 5328	Concrete.	1000
	Part 1: Guide to specifying concrete.	2600
	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.	
Note 1	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.	
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.	