



INTERNATIONAL
ACCREDITATION
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SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-648
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Accreditation Standard	ISO/IEC 17025:2005

Construction Materials Testing and Chemical Analysis

Aggregate

ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
BS 812-103.1	Testing aggregates - Method for determination of particle size distribution. Sieve tests
BS 812-105.1	Testing aggregates - Methods for determination of particle shape. Flakiness index
BS 812-117	Testing aggregates - Method for determination of water-soluble chloride salts (Appendix C)
BS 812-118	Testing aggregates - Methods for determination of sulphate content (Clause 6)
BS 8301	Code of practice for building drainage – Appendix D Compaction fraction test for suitability of bedding material

Bituminous Mixtures

ASTM D2726	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D6927	Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures

Concrete

BS 1881-124	Testing concrete - Methods for analysis of hardened concrete (Clauses 10.2 and 10.3)
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BS EN 1338	Concrete paving blocks - Requirements and test methods
BS EN 1340	Concrete kerb units - Requirements and test methods (Annex C, E, and F)
BS EN 12390-3	Testing hardened concrete - Compressive strength of test specimens
BS EN 12390-7	Testing hardened concrete - Density of hardened concrete
Masonry	
BS EN 772-1	Methods of test for masonry units. Determination of compressive strength
BS EN 772-11	Methods of test for masonry units. Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units
BS EN 772-13	Methods of test for masonry units. Determination of net and gross dry density of masonry units (except for natural stone)
BS EN 772-16	Methods of test for masonry units. Determination of dimensions
Mixing and Curing Water	
BS 1377-3	Methods of test for soils for civil engineering purposes - Chemical and electro-chemical tests (Clause 5.5)
BS 1427	Guide to on-site test methods for the analysis of waters (Clauses 4.1 and 5.4)
BS 6068-2.37	Water quality - Physical, chemical and biochemical methods - Method for the determination of chloride via a silver nitrate titration with chromate indicator (Mohr's method)
BS ISO 10523	Water quality - Determination of pH
Ministry of Works Standard MED-BMCALS-WI-006	Determination of Chloride Content in Water by Using Chloride Ion Selective Electrode Method
Soil	
ASTM C142	Standard Test Method for Clay Lumps and Friable Particles in Aggregates
BS 1377-2	Methods of test for soils for civil engineering purposes - Classification tests (clauses No. 3.2, 4.3, 5.0 and 6.5)



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BS 1377-3

Methods of test for soils for civil engineering purposes.
Chemical and electro-chemical tests (clauses 5.5 and 7.3)