

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p style="text-align: center;">Accredited to ISO/IEC 17025:2005</p>	<h3 style="margin: 0;">Construction Testing Services</h3> <p style="margin: 0;">Issue No: 006 Issue date: 28 January 2011</p>	
	<p>The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE</p>	<p>Contact: Mr R Browne Tel: +44 (0)28 94 469191 Fax: +44 (0)28 94 469494 E-Mail: rb@constructiontestingservices.com Website: www.constructiontestingservices.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Address The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE</td> <td style="width: 50%; border: none;">Local contact Mr R Browne</td> </tr> </table>	Address The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE	Local contact Mr R Browne	<p>Testing: Aggregates - physical tests Concrete - mechanical & physical tests Unbound and hydraulically bound mixtures - mechanical tests</p> <p>Manufacture of test specimens: Concrete & Unbound and hydraulically bound mixtures</p>	Laboratory
Address The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE	Local contact Mr R Browne			

Site activities performed away from the locations listed above:

Location details	Activity	Location code		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">All locations suitable for the activities listed</td> <td style="width: 50%; border: none;">Contact: Mr R Browne</td> </tr> </table>	All locations suitable for the activities listed	Contact: Mr R Browne	<p>Sampling: Aggregates & Concrete</p> <p>Testing: Concrete - physical tests</p> <p>Manufacture of test specimens: Unbound and hydraulically bound mixtures</p>	Site
All locations suitable for the activities listed	Contact: Mr R Browne			



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Sampling aggregates - from stockpiles	BS EN 932-1:1996	Site
	Methods for reducing laboratory samples	BS EN 932-2:1999	Laboratory & Site
	Particle size distribution - sieving method	BS EN 933-1:1997	Laboratory
	Particle shape - flakiness index	BS EN 933-3:1997	Laboratory
	Assessment of fines - methylene blue test	BS EN 933-9:1999	Laboratory
	Classification test for the constituents of coarse recycled aggregate	BS EN 933-11:2009	Laboratory
	Micro-Deval coefficient	BS EN 1097-1:1996	Laboratory
	Micro-Deval coefficient	BS EN 1097-1:1996 Modified in accordance with BS EN 13450:2002 Annex E	Laboratory
	Resistance to fragmentation by the Los Angeles Method	BS EN 1097-2:1998	Laboratory
	Resistance to fragmentation of aggregates for railway ballast by the Los Angeles test method	BS EN 1097-2:1998 modified in accordance with BS EN 13450:2002 Annex C	Laboratory
	Loose bulk density	BS EN 1097-3:1998	Laboratory
	Water content - drying in a ventilated oven	BS EN 1097-5:1997	Laboratory
Particle density and water absorption - pycnometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2000	Laboratory	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES (continued)	Particle density and water absorption - pyknometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2000	Laboratory
	Polished stone value	BS EN 1097-8:2000	Laboratory
	Aggregate abrasion value	BS EN 1097-8:2000	Laboratory
	Magnesium sulfate test (excluding simple petrographical description)	BS EN 1367-2:1998	Laboratory
	Aggregate crushing value - particle size 10 mm and greater <i>(loads from 30 to 3000 kN)</i>	BS 812-110:1990	Laboratory
	Ten per cent fines value - dry - particle size 10 mm and greater <i>(loads from 30 to 3000 kN)</i>	BS 812-111:1990	Laboratory
	Ten per cent fines value - soaked - particle size 10 mm and greater <i>(loads from 30 to 3000 kN)</i>	BS 812-111:1990	Laboratory
	Aggregate impact value - dry	BS 812-112:1990	Laboratory
	Aggregate impact value - soaked	BS 812-112:1990	Laboratory
	CONCRETE - fresh	Sampling fresh concrete on site - spot sample	BS EN 12350-1:2000
Sampling fresh concrete on site - composite sample		BS EN 12350-1:2000	Site
Slump		BS EN 12350-2:2000	Site
Making test cubes		BS EN 12390-2:2000	Laboratory & Site
Air content		BS EN 12350-7:2000	Site



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CONCRETE – fresh (continued)	Monitoring of the temperature within concrete structures during the initial hydration process	Documented In-House Method WI 17: July 2010	Site
CONCRETE - hardened	Compressive strength of cubes - including curing (loads from 30 to 3000kN)	BS EN 12390-3:2002 BS EN 12390-1:2000 BS EN 12390-2:2000	Laboratory
	Density	BS EN 12390-7:2000	Laboratory
	Cored specimens - examining and testing in compression (loads from 30 to 3000kN)	BS EN 12504-1:2000	Laboratory
PAVED SURFACES	Slip Resistance	BS 7976-2 2002	Site
SOILS for civil engineering purposes	Vertical deformation and strength characteristics by the incremental plate loading test (loads from to kN)	BS 1377-9:1990	Site
	Determination of equivalent CBR value using the plate bearing test (loads from to kN)	Design Manual for Roads and Bridges. Volume 7:Pavement Design and Maintenance. IAN 73/06 Rev 1 (2009):Foundations	Site
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Method for the manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction	BS EN 13286-51:2004	Laboratory Site
	Compressive strength of hydraulically bound mixtures (cubic specimens) (loads from 30 to 3000kN)	BS EN 13286-41:2003	Laboratory
END			