



Bangladesh Accreditation Board (BAB)

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Certificate of Accreditation

This is to certify that

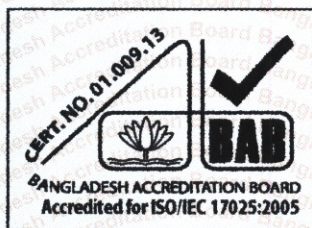
Concrete Innovation & Application Centre (CIAC)

Nina Kabbo, Level-7, 227/A

Bir Uttam Mir Shawkat Sarak, Tejgaon, Dhaka-1208, Bangladesh

has been granted accreditation in respect of the scope of accreditation described in the attached document, subject to the terms and conditions governing the relevant Conformity Assessment Body (CAB) accreditation

This **Testing Laboratory** having met the requirements of **ISO/IEC 17025:2005** and the BAB, is accredited for **Mech. Test of Aggregate & Concrete** as described in the associated Scope of Accreditation.



Certificate Number : 01.009.13

Issued on : 19 May 2016

Accreditation Date : 19 May 2016

Valid until : 18 May 2019

Director General

Bangladesh Accreditation Board (BAB)

This certificate has been issued under the authority of Bangladesh Accreditation Act, 2006 and must be returned on request; reproduction must follow guidelines in place at date of issue. For the specific scopes to which this accreditation applies, please refer to the directory of accredited CABs at <http://www.bab.org.bd/directory-of-accredited-cabs>

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: Concrete Innovation and Application Centre (CIAC)
NinaKabbo, Level-2 & 7, 227/A, Bir Uttam Mir Shaawkat Sarak, (Tejgaon Gulshan Link Road), Tejgaon, Dhaka-1208

Accreditation Standard: ISO/IEC 17025:2005

Certificate Number: 01.009.13

Last Amended on: N/A

Amendment no: N/A

Accreditation Date: 19 May 2016

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field:				
1	Wet Concrete	Air Content	ASTM C 231-97	1% to 22%
2	Wet Concrete	Slump Test	ASTM C143 M-2008 EN 12350-2:2009	5mm to 250mm
3	Wet Concrete	Concrete Density	ASTM C138 M: 2009 EN 12350-6:2009	2000 Kg/m ³ to 2500 Kg/m ³
4	Wet Concrete	Concrete Temperature	ASTM C 1064 :2011	20 ⁰ C - 40 ⁰ C
5	Wet Concrete	Setting Time of Concrete	ASTM C 403 M :2008	No limit
6	Hardened Concrete	Compressive Strength of Concrete	ASTM C39 EN 12390-3:2009	10 kN to 1800 kN
7	Hardened Concrete	Non Destructive Test of Concrete	ASTM C 805 EN 12504-2:2001	10MPa – 70MPa
8	Material Testing of Aggregate	Sieve Analysis of Aggregate	ASTM C136	75 microns – 37.5 mm
9	Material Testing of Aggregate	Aggregate Crushing Value	BS 812:110:1990	1% - 99%
10	Material Testing of Aggregate	Specific Gravity & absorption for Coarse Aggregate	ASTM C 127 :2007	N/A
11	Material Testing of Aggregate	Specific Gravity & absorption for Fine Aggregate	ASTM C 128-01	N/A
12	Material Testing of Aggregate	Flakiness Index	EN 933-3: 1997	1% - 99%
13	Material Testing of Aggregate	Elongation Index	EN 933-4: 2008	1% - 99%

END

Quality Manager