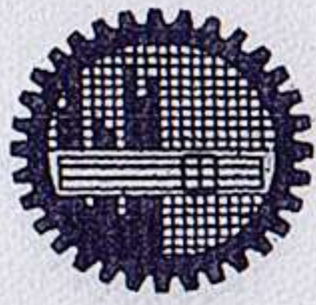


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CONCRETE LABORATORY



BRTC No. : 1103-54865/CE /24-25/; Dt: 19/6/2025 ✓
Sent by : Md. Istiak Ahmed, Project Engineer
Rangs Properties Ltd.
Ref. No. : Letter; Dt: 18/6/2025
Project : Rancon Dakhinaloy Project at P-02, R-02 & 11, Sec-07, Uttara, Dhaka.
Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Ready Mix]
[Admixture added (as per letter): Not mentioned]
Location : 8th Floor Roof Beam & Slab
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]
Date of Test : 21/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	14/5/2025	Rangs 4000	12.67	72,675	5,736	5680 psi	Combined *
2	(38 days test)	Rangs 4000	12.42	70,383	5,667	(39.2 MPa)	Combined *
3		Rangs 4000	12.67	71,300	5,627	(399 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



217
mC4H6XQ2W

Test Performed by:

Snigdha Afsana
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54742/CE /24-25/; Dt: 18/6/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Credence; Dt: 18/6/2025

Project : Credence Bougainvillea, 3500 psi, P: 4/8, B# D, Lalmatia, Dhaka.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : GF Roof

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Date of Test : 19/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	14/5/2025	Credence 3500	12.18	54,307	4,459	4590 psi (31.6 MPa) (323 kg/cm ²)	Combined *
2	(36 days test)	Credence 3500	12.42	58,887	4,741		Combined *
3		Credence 3500	12.42	56,597	4,557		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



NSHT32NDe

Test Performed by:

24/06/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54866/CE /24-25/; Dt: 19/6/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Homes 71; Dt: 19/6/2025

Project : Homes 71 Ltd., 3500 psi, P-254, P-12, Savar DOHS, Dhaka.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 5F Roof

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Date of Test : 21/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	17/5/2025	Homes 71 3500	11.82	67,454	5,707	5760 psi	Combined *
2	(35 days test)	Homes 71 3500	12.06	70,734	5,865	(39.7 MPa)	Combined *
3		Homes 71 3500	12.18	69,641	5,718	(405 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



BKGGbP35B

Test Performed by:

Snigdha Afsana

Assistant Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54742/CE /24-25/; Dt: 18/6/2025 ✓
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/Lions Builders; Dt: 18/6/2025
Project : Lions Time Squire, 3625 psi, 146/E/3, West Agargaon, Dhaka.
Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 6F Slab
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]
Date of Test : 19/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	14/5/2025	Lions	12.06	76,970	6,382	6320 psi (43.6 MPa) (444 kg/cm ²)	Combined *
2	(36 days test)	Lions	11.94	72,437	6,067		Combined *
3		Lions	12.18	79,236	6,505		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

24/06/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54740/CE /24-25/; Dt: 18/6/2025

Sent by : Engr. Azaz Ahmad, Sr. Assistant Engineer, Daffodil International University
Ashulia, Savar, Dhaka.

Ref. No. : DIU/Teachers Apartment/25; Dt: 14/6/2025

Project : Teachers Apartment Building.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Not mentioned]
[Admixture added (as per letter): Not mentioned]

Location : 12th Floor Slab Casting

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**

Date of Test : 19/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	13/5/2025	Daffodil 4000 psi	12.42	86,370	6,954	6940 psi (47.8 MPa) (488 kg/cm ²)	Combined *
2	(37 days test)	Daffodil 4000 psi	11.94	84,080	7,042		Combined *
3		Daffodil 4000 psi	12.67	86,370	6,817		Combined *

Note: Samples were received in sealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



W44b7PQ2N

Test Performed by:

25/06/2025

Dr. Annesha Enam
Associate Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54602/CE/24-25/; Dt: 17/6/2025 ✓
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/Awesome; Dt: 17/6/2025
Project : Zubion Hannan, Homestead, 3500 psi, P-04, B-G, R-1/A, S-16, Uttara.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 3F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 18/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	11/5/2025	Zubion 3500	11.94	60,662	5,081	4790 psi	Combined *
2	(38 days test)	Zubion 3500	11.82	58,446	4,945	(33 MPa)	Combined *
3		Zubion 3500	11.94	51,797	4,338	(337 kg/cm ²)	Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



5X9MQ4DmQ

Test Performed by:

Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



23/06/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54602/CE /24-25/; Dt: 17/6/2025
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/JBS; Dt: 17/6/2025
Project : JBS NAZ Garden, 3500 psi, P-159, Dakkhinkhan, Dhaka.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 14F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 18/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	8/5/2025	JBS 3500	12.42	60,662	4,884	4750 psi (32.7 MPa) (334 kg/cm ²)	Combined *
2	(41 days test)	JBS 3500	11.82	55,121	4,663		Combined *
3		JBS 3500	12.42	58,446	4,706		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



23/06/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-54602/CE /24-25/; Dt: 17/6/2025 ✓
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/Basic; Dt: 17/6/2025
Project : Basic Nurjahan, 3000 psi, P-2763, R-20, B-M, Bashundhara.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 5F Roof
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 18/6/2025


TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Mode of Failure
1	13/5/2025	Basic 3000	12.18	57,337	4,708	4450 psi (30.7 MPa) (313 kg/cm ²)	Combined *
2	(36 days test)	Basic 3000	11.82	49,580	4,195		Combined *
3		Basic 3000	12.18	54,013	4,435		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure.

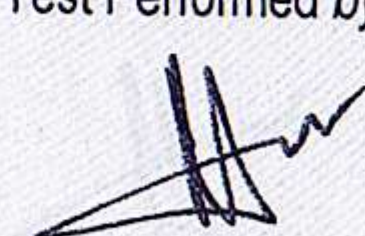
Countersigned by:


Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



N6mKBrDeb

Test Performed by:


Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



23/06/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : **1103-54602/CE /24-25/**; Dt: **17/6/2025** ✓
Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.
Ref. No. : CDCCL/262; Dt: 17/6/2025
Project : AMF Green Gardenia, 3500 psi, P-815, R-16/B, Comfort Housing.
Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 4F Roof (B-3)
Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39]**
Date of Test : 18/6/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(sq. in)	(lb)	(psi)		
1	10/5/2025 (39 days test)	AMF 3500	11.94	73,959	6,194	6190 psi (42.7 MPa) (435 kg/cm ²)	Combined *
2		AMF 3500	12.30	78,392	6,373		Combined *
3		AMF 3500	11.94	71,743	6,009		Combined *

Note: Samples were received in unsealed condition.

* Combined = Mortar and Aggregate Failure

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

Dr. Munaz Ahmed Noor
Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



23/06/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-60413/CE /25-26/; Dt: 2/9/2025
Sent by : CDC Concrete Ltd.
Ref. No. : CDCCL/Starlit; Dt: 2/9/2025
Project : Starlit Chayanee, 4000 psi, P#276/4/A, 60 ft, Mirpur
Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]
Location : 4F Slab
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]
Date of Test : 3/9/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Type of Fracture* (Mode of Failure)
			(sq. in)	(lb)	(psi)		
1	6/8/2025	Starlit 4000	11.93	57,612	4,829	5100 psi (35.2 MPa) (359 kg/cm ²)	Type 3 (Combined **)
2	(28 days test)	Starlit 4000	11.93	60,987	5,112		Type 5 (Combined **)
3		Starlit 4000	11.81	63,237	5,354		Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone
Type 2: Well-formed cone with vertical crack
Type 3: Columnar vertical cracks
Type 4: Diagonal cracks
Type 5: Side fractures at top or bottom
Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

Nishatee Binte Shahid
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



04/09/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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CONCRETE LABORATORY



BRTC No. : 1103-60693/CE /25-26/; Dt: 7/9/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/ALM; Dt: 7/9/2025

Project : ALM Rosemary, 4500 psi, P-18, Hossain Housing Society, Shamoly, Dhaka.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : Column

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**

Date of Test : 8/9/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	7/8/2025	ALM 4500	12.17	77,970	6,407	6490 psi (44.7 MPa) (456 kg/cm ²)	Type 5 (Combined **)
2	(32 days test)	ALM 4500	12.17	80,260	6,595		Type 5 (Combined **)
3		ALM 4500	12.05	77,970	6,471		Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



JdQA3g64W

Test Performed by:

Md. Amin Al Noor
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



10/09/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



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CONCRETE LABORATORY



BRTC No. : 1103-60693/CE /25-26/; Dt: 7/9/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd.
29/1, Goranchatbari, Mirpur, Dhaka.

Ref. No. : CDCCL/Denim Art; Dt: 7/9/2025

Project : Denim Art Ltd., 3500 psi, Nimtoly, Shilmon, Tongi.

Sample : **Concrete Cylinder** [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 4F Roof

Test : **Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]**

Date of Test : 8/9/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength	Type of Fracture* (Mode of Failure)
1	9/8/2025	Denim 3500 psi	11.93	57,353	4,807	4730 psi (32.6 MPa) (333 kg/cm ²)	Type 5 (Combined **)
2	(30 days test)	Denim 3500 psi	11.93	53,917	4,519		Type 5 (Combined **)
3		Denim 3500 psi	12.05	58,499	4,855		Type 1 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone
Type 2: Well-formed cone with vertical crack
Type 3: Columnar vertical cracks
Type 4: Diagonal cracks
Type 5: Side fractures at top or bottom
Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

Md. Amin Al Noor
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh

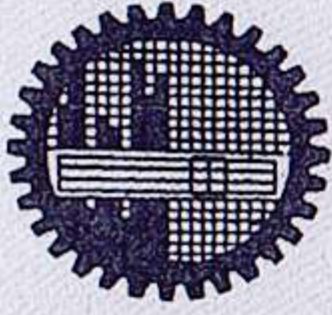


10/09/2025

Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

BUETCE 0522301

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



DEPARTMENT OF CIVIL ENGINEERING

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http://brtctest.ce.buet.ac.bd, https://verify.ce.buet.ac.bd

CONCRETE LABORATORY



BRTC No. : 1103-60693/CE /25-26/; Dt: 7/9/2025

Sent by : Engr. Md. Sakib Ahmed, Manager, Engineering, CDC Concrete Ltd., Runner properties Ltd.
29/1, Goranchatbari, Mirpur, Dhaka. ✓

Ref. No. : Runner; Dt: 7/9/2025

Project : Runner Khagan, 3000 psi, Akran Bazar, Birulia, Savar.

Sample : Concrete Cylinder [Aggregate type: Stone chips, Mix proportion (as quoted): Mix Design]
[Admixture added (as per letter): Not mentioned]

Location : 2F Roof

Test : Compressive Strength Test of Concrete Cylinder [ASTM C39/C39M - 21]

Date of Test : 8/9/2025

TEST REPORT

SL No.	Date of Casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Type of Fracture* (Mode of Failure)
			(sq. in)	(lb)	(psi)		
1	10/8/2025 (29 days test)	Runner 3000	12.17	56,208	4,619	4630 psi (31.9 MPa) (326 kg/cm ²)	Type 1 (Combined **)
2		Runner 3000	12.17	57,353	4,713		Type 5 (Combined **)
3		Runner 3000	12.05	55,063	4,570		Type 5 (Combined **)

Note: Samples were received in unsealed condition.

** Combined = Mortar and Aggregate Failure.

*Type of Fracture (as per ASTM C39/C39M - 21):

Type 1: Well-formed cone

Type 2: Well-formed cone with vertical crack

Type 3: Columnar vertical cracks

Type 4: Diagonal cracks

Type 5: Side fractures at top or bottom

Type 6: Side fractures at top or bottom but end of cylinder is pointed

Countersigned by:

Prof. Dr. Moazzem Hossain

Test-In-Charge

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



Test Performed by:

Md. Amin Al Noor

Assistant Professor

Department of Civil Engineering

BUET, Dhaka-1000, Bangladesh



10/09/2025

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