



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

A carbon copy for the report has been retained in the lab for record.

8983

Dr. Aqsa

To: Mr. M. YASIR KIANI
Resident Engineer (JCP Wahga), NESPAK (Pvt) Ltd.

Project: Relocation of Enhancement of Wahga Border Flagpole.

Our Ref. No. CL/CED/ 7513

Dated: 25/02/2025

Test Specification

Your Ref. No. 4749/031/YK/01/145

Dated: 24/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 25/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi	21	1	2025	6Diax12	---	14	28.28	66	5228	---	Non Engraved
2	4000 Psi	21	1	2025	6Diax12	---	14.4	28.28	73	5782	---	Non Engraved
3	4000 Psi	21	1	2025	6Diax12	---	14.2	28.28	70	5545	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Faiz Ahmad, CNIC # 33100-0949345-7

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

A carbon copy for the report has been retained in the lab for record.

8958
Dr. Aqsa

To: Engr. Muhammad Tariq Assi
General Manager Construction, Jafris & Steele (Pvt.) Ltd. Engineers & Developers.

Project: (Location: Slab Concrete (-9'-4.5"))

Our Ref. No. CL/CED/ 7514

Dated: 25/02/2025

Test Specification

Your Ref. No. JSPL2025-80/532

Dated: 20/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 20/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	#1336 (5000 Psi)	19	1	2025	6Diax12	---	14	28.28	50	3960	---	Non Engraved
2	#1337 (5000 Psi)	19	1	2025	6Diax12	---	14	28.28	56	4436	---	Non Engraved
3	#1338 (5000 Psi)	19	1	2025	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Ehsan Haider, CNIC # 33203-9955785-7

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

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8962
Dr. Aqsa

To: Engr. Farrukh Alvi
Deputy General Manager (Works), Habib Rafiq Engineering (Pvt) Ltd.

Project: Construction of 101 Tower Lahore. (Description: Concrete for Slab level 02 at Grid (B-E/1-2) & (E-H/1-4))

Our Ref. No. CL/CED/ 7515

Dated: 25/02/2025

Test Specification

Your Ref. No. HRLE/SKG/2025/200

Dated: 20/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 20/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	6000 Psi (Lab No. 399)	23	1	2025	6Diax12	---	14.4	28.28	119	9426	---	Non Engraved
2	6000 Psi (Lab No. 399)	23	1	2025	6Diax12	---	14	28.28	85	6733	---	Non Engraved
3	6000 Psi (Lab No. 399)	23	1	2025	6Diax12	---	14	28.28	121	9584	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL

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8941
Dr. Aqsa

To: Resident Engineer
For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Roof Slab & Beams)

Our Ref. No. CL/CED/ 7516

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/008

Dated: 30/01/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 18/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	3000 Psi	3	1	2025	6Diax12	---	13.8	28.28	81	6416	---	Non Engraved
2	3000 Psi	3	1	2025	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
3	3000 Psi	3	1	2025	6Diax12	---	14	28.28	75	5941	---	Non Engraved
4	3000 Psi	3	1	2025	6Diax12	---	13	28.28	52	4119	---	Non Engraved
5	3000 Psi	3	1	2025	6Diax12	---	13.4	28.28	51	4040	---	Non Engraved
6	3000 Psi	3	1	2025	6Diax12	---	14	28.28	54	4277	---	Non Engraved
7	3000 Psi	20	1	2025	6Diax12	---	14.4	28.28	68	5386	---	Non Engraved
8	3000 Psi	20	1	2025	6Diax12	---	13.6	28.28	56	4436	---	Non Engraved
9	3000 Psi	20	1	2025	6Diax12	---	14	28.28	69	5465	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



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8953

Dr. Aqsa

To: Engr. Aziz ur Rehman

Assistance Resident Engineers, On the behalf of ACE Architectural & Town Planning Services Ltd.

Project: Resident Construction Supervision for Construction of Net Zero Energy Building (ACEIP, DLI-8), Lahore (Concrete Mix Design Trial, Admixture Fospak 511)

Our Ref. No. CL/CED/ 7517

Dated: 25/02/2025

Test Specification

Your Ref. No. NZEB/ACE/LAB/2025/18

Dated: 19/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 19/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	Lab Curing (4000 Psi)	10	2	2025	6Diax12	---	14	28.28	62	4911	---	Non Engraved
2	Lab Curing (4000 Psi)	10	2	2025	6Diax12	---	14.6	28.28	52	4119	---	Non Engraved
3	Lab Curing (4000 Psi)	10	2	2025	6Diax12	---	13.8	28.28	69	5465	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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8953

Dr. Aqsa

To: Engr. Aziz ur Rehman

Assistance Resident Engineers, On the behalf of ACE Architectural & Town Planning Services Ltd.

Project: Resident Construction Supervision for Construction of Net Zero Energy Building (ACEIP, DLI-8), Lahore (Concrete Mix Design Trial, Admixture Fospak 568)

Our Ref. No. CL/CED/ 7518

Dated: 25/02/2025

Test Specification

Your Ref. No. NZEB/ACE/LAB/2025/19

Dated: 19/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 19/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Lab Curing (5000 Psi)	10	2	2025	6Diax12	---	14	28.28	71	5624	---	Non Engraved
2	Lab Curing (5000 Psi)	10	2	2025	6Diax12	---	14.2	28.28	68	5386	---	Non Engraved
3	Lab Curing (5000 Psi)	10	2	2025	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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1. * as engraved on the specimens (if any)

2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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8898
Dr. Aqsa

To: Resident Engineer
For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Columns)

Our Ref. No. CL/CED/ 7519

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/0013

Dated: 12/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	4000 Psi	14	1	2025	6Diax12	---	14	28.28	71	5624	---	Non Engraved
2	4000 Psi	14	1	2025	6Diax12	---	14	28.28	69	5465	---	Non Engraved
3	4000 Psi	14	1	2025	6Diax12	---	14	28.28	70	5545	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

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8898
Dr. Aqsa

To: Resident Engineer
For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Columns)

Our Ref. No. CL/CED/ 7520

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/009

Dated: 06/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi	8	1	2025	6Diax12	---	14	28.28	76	6020	---	Non Engraved
2	4000 Psi	8	1	2025	6Diax12	---	14	28.28	68	5386	---	Non Engraved
3	4000 Psi	8	1	2025	6Diax12	---	14	28.28	72	5703	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

A carbon copy for the report has been retained in the lab for record.

8898
Dr. Aqsa

To: Resident Engineer
For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Roof Beams & Slab)

Our Ref. No. CL/CED/ 7521

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/0010

Dated: 06/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	3000 Psi	28	1	2025	6Diax12	---	13.8	28.28	54	4277	---	Non Engraved
2	3000 Psi	28	1	2025	6Diax12	---	14	28.28	78	6178	---	Non Engraved
3	3000 Psi	28	1	2025	6Diax12	---	14	28.28	67	5307	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL

A carbon copy for the report has been retained in the lab for record.

8898
Dr. Aqsa

To: Resident Engineer
For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Columns)

Our Ref. No. CL/CED/ 7522

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/0012

Dated: 10/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi	12	1	2025	6Diax12	---	14	28.28	73	5782	---	Non Engraved
2	4000 Psi	12	1	2025	6Diax12	---	13.6	28.28	52	4119	---	Non Engraved
3	4000 Psi	12	1	2025	6Diax12	---	14	28.28	77	6099	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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8898
 Dr. Aqsa

To: Resident Engineer
 For M/S HA Consulting JV M/S Mascon Associates.

Project: Construction of AUTISM School, Lahore. (Columns)

Our Ref. No. CL/CED/ 7523

Dated: 25/02/2025

Test Specification

Your Ref. No. HAC-MAC/24/ECAS/Lab/007

Dated: 27/01/2025

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 13/02/2025 Tested on: 25/02/2025 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	4000 Psi	25	12	2024	6Diax12	---	14	28.28	56	4436	---	Non Engraved
2	4000 Psi	25	12	2024	6Diax12	---	13.8	28.28	60	4752	---	Non Engraved
3	4000 Psi	25	12	2024	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
4	4000 Psi	29	12	2024	6Diax12	---	14	28.28	53	4198	---	Non Engraved
5	4000 Psi	29	12	2024	6Diax12	---	13.6	28.28	66	5228	---	Non Engraved
6	4000 Psi	29	12	2024	6Diax12	---	13.8	28.28	72	5703	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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Director/Dy. Director Concrete Laboratory