



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.

117
 Dr. Aqsa Shabbir

To: Ittefaq Building Solutions Pvt. Ltd.
 189,190-Commercial Area, Airline Society, Khayaban-e-Jinah, Lahore

Project: COLORBUG 49-M, Kot Lakhpat, Lahore

Our Ref. No. CL/CED/ 9420

Dated: 09/09/2025

Test Specification

Your Ref. No. Nil

Dated: 08/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 08/09/2025 **Tested on:** 09/09/2025 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	(Mezzanine Floor Slab Con.), 3Ksi	12	8	2025	6Diax12	---	14	28.28	60	4752	---	Non Engraved
2	(Mezzanine Floor Slab Con.), 3Ksi	12	8	2025	6Diax12	---	13.4	28.28	62	4911	---	Non Engraved
3	(Mezzanine Floor Slab Con.), 3Ksi	12	8	2025	6Diax12	---	14	28.28	58	4594	---	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
- *** 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



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ORIGINAL
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119
 Dr. Aqsa Shabbir

To: Mr. Muhammad Saleem
 Operations Manager, The Skyline Mall & Residences

Project: The Skyline Mall & Residencies, Raiwind Road Lahore.

Our Ref. No. CL/CED/ 9421

Dated: 09/09/2025

Test Specification

Your Ref. No. Nil

Dated: Nil

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 08/09/2025 **Tested on:** 09/09/2025 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	19	7	2025	6Diax12	---	13.8	28.28	71	5624	---	Non Engraved
2	3000 Psi	19	7	2025	6Diax12	---	13.6	28.28	68	5386	---	Non Engraved
3	3000 Psi	19	7	2025	6Diax12	---	14	28.28	51	4040	---	Non Engraved
4	3000 Psi	23	8	2025	6Diax12	---	13.6	28.28	60	4752	---	Non Engraved
5	3000 Psi	23	8	2025	6Diax12	---	13.4	28.28	58	4594	---	Non Engraved
6	3000 Psi	23	8	2025	6Diax12	---	13.2	28.28	58	4594	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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
- *** 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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119
 Dr. Aqsa Shabbir

To: Mr. Muhammad Saleem
 Operations Manager, The Skyline Mall & Residences

Project: The Skyline Mall & Residencies, Raiwind Road Lahore.

Our Ref. No. CL/CED/ 9422

Dated: 09/09/2025

Test Specification

Your Ref. No. Nil

Dated: Nil

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 08/09/2025 **Tested on:** 09/09/2025 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	2	6	2025	6Diax12	---	13.6	28.28	55	4356	---	Non Engraved
2	4000 Psi	2	6	2025	6Diax12	---	13.6	28.28	61	4832	---	Non Engraved
3	4000 Psi	2	6	2025	6Diax12	---	13.8	28.28	73	5782	---	Non Engraved
4	4000 Psi	27	7	2025	6Diax12	---	13.8	28.28	57	4515	---	Non Engraved
5	4000 Psi	27	7	2025	6Diax12	---	13.4	28.28	52	4119	---	Non Engraved
6	4000 Psi	27	7	2025	6Diax12	---	13.4	28.28	52	4119	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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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
- *** 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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108
 Dr. Aqsa Shabbir

To: Mr. Farrukh Saif
 Assistant Resident Engineer, ECSP, MPA Hostel, Phase-II
 Project: Engineering Consultancy Services for Construction of MPA's Hostel Lahore, Phase-II. (Raft Grid K~0/7-12 Group-1)
 Our Ref. No. CL/CED/ 9423 Dated: 09/09/2025 Test Specification
 Your Ref. No. 340/ECSP/MPA/ME/99 Dated: 01/09/2025 (BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **05/09/2025** Tested on: **09/09/2025** 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	(1:1:2)	4	8	2025	6x6x6	---	8.8	36	83	5164	---	Engraved
2	(1:1:2)	4	8	2025	6x6x6	---	8.6	36	74	4604	---	Engraved
3	(1:1:2)	4	8	2025	6x6x6	---	8.6	36	84	5227	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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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
- *** 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.

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121
 Dr. Aqsa Shabbir

To: Engr. Sheikh Maqbool Hassan
 Resident Engineer, NESPAK, MCL Nishtar Zone, Lahore

Project: Rehabilitation / Improvements of Streets (P.C.C), Sewerage / Drainage UC-254 Nishtar Zone MCL.

Our Ref. No. CL/CED/ 9424

Dated: 09/09/2025

Test Specification

Your Ref. No. RE/4084/04/MH/595

Dated: 21/08/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 08/09/2025 **Tested on:** 09/09/2025 **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	(1:2:4)	21	7	2025	6x6x6	---	7.8	36	79	4916	---	Non Engraved
2	(1:2:4)	21	7	2025	6x6x6	---	7.6	36	38	2364	---	Non Engraved
3	(1:2:4)	21	7	2025	6x6x6	---	8	36	73	4542	---	Non Engraved
4	(1:2:4)	21	7	2025	6x6x6	---	8	36	77	4791	---	Non Engraved
5	(1:2:4)	21	7	2025	6x6x6	---	8	36	54	3360	---	Non Engraved
6	(1:2:4)	21	7	2025	6x6x6	---	7.8	36	61	3796	---	Non Engraved
7	(1:2:4)	21	7	2025	6x6x6	---	8	36	69	4293	---	Non Engraved
8	(1:2:4)	21	7	2025	6x6x6	---	7.8	36	70	4356	---	Non Engraved
9	(1:2:4)	21	7	2025	6x6x6	---	8	36	61	3796	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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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
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** AC1318-08 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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71
Dr. Aqsa Shabbir

To: Engr. Arfan Ullah
Assistant Engineer Civil, National Skills University, Islamabad

Project: Testing of Bricks for Construction of Administration Block at National Skills University Islamabad, Muridke Campus.

Our Ref. No. CL/CED/ 9425

Dated: 09/09/2025

Test Specification

Your Ref. No. NSU/AdminBlock/2023/MC/21

Dated: 04/07/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 29/08/2025 Tested on: 09/09/2025 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	112	---	---	---	8.8 x 4.2 x 2.9	3400	3030	36.96	34	2061	12.21	---
2	112	---	---	---	8.8 x 4.2 x 3	3355	2950	36.96	33	2000	13.73	---
3	112	---	---	---	9 x 4.2 x 2.9	3480	3140	37.8	29	1719	10.83	---
4	112	---	---	---	8.8 x 4.2 x 2.9	3450	3185	36.96	25	1515	8.32	---
5	112	---	---	---	9 x 4.2 x 2.8	3420	3020	37.8	31	1837	13.25	---
6	112	---	---	---	8.8 x 4.1 x 2.8	3480	2990	36.08	36	2235	16.39	---
7	112	---	---	---	8.5 x 4.1 x 2.8	3370	3050	34.85	41	2635	10.49	---
8	112	---	---	---	8.6 x 4.2 x 2.8	3450	3110	36.12	40	2481	10.93	---
9	112	---	---	---	9 x 4 x 2.8	3380	2960	36	34	2116	14.19	---
10	112	---	---	---	8.8 x 4.1 x 3	3460	3015	36.08	37	2297	14.76	---
11	112	---	---	---	8.8 x 4 x 2.8	3080	2990	35.2	38	2418	3.01	---
12	112	---	---	---	8.9 x 4.1 x 2.8	3480	3035	36.49	36	2210	14.66	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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72
Dr. Aqsa Shabbir

To: Assistant Director (Technical)
Anti-Corruption Establishment, Bahawalpur Region, Bahawalpur
Project: Regular Enquiry No. 2304/2025. Const. of Metalled Road from 235/9-R to 234/9-R; Chak No. 183/7-R & Rehab. of Metalled Road From Chak No. 263/H-R Colony Walhar Tehsil Fortabbas Distt. Bahawalnagar
Our Ref. No. CL/CED/ 9426 Dated: 09/09/2025 Test Specification
Your Ref. No. ACE-BR-ADT/BWP. No. 1046 Dated: 29/08/2025 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 29/08/2025 Tested on: 09/09/2025 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	Machine Made Three Line	---	---	---	8.6 x 4 x 2.5	---	2305	34.4	33	2149	---	Used Brick
2	Machine Made Three Line	---	---	---	8.7 x 4 x 2.5	---	2225	34.8	23	1480	---	Used Brick
3	Machine Made Three Line	---	---	---	8.6 x 4 x 2.5	---	2250	34.4	26	1693	---	Used Brick
4	Machine Made Three Line	---	---	---	8.6 x 4 x 2.6	---	2300	34.4	29	1888	---	Used Brick
5	Machine Made Three Line	---	---	---	8.7 x 4 x 2.6	---	2255	34.8	27	1738	---	Used Brick
6	Machine Made Three Line	---	---	---	8.7 x 4 x 2.5	---	2370	34.8	25	1609	---	Used Brick
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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119
 Dr. Aqsa Shabbir

To: Mr. Muhammad Saleem
 Operations Manager, The Skyline Mall & Residences

Project: The Skyline Mall & Residencies, Raiwind Road Lahore.

Our Ref. No. CL/CED/ 9427

Dated: 09/09/2025

Test Specification

Your Ref. No. Nil

Dated: Nil

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 08/09/2025 Tested on: 09/09/2025 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	4"x 8"x 12" Solid Block	---	---	---	11.9 x 4 x 8	---	7.4	47.6	15	706	---	(Light Weight)
2	4"x 8"x 12" Solid Block	---	---	---	12 x 4 x 8	---	7.8	48	16	747	---	(Light Weight)
3	4"x 8"x 12" Solid Block	---	---	---	11.9 x 4 x 8	---	8	47.6	13	612	---	(Light Weight)
4	6"x 8"x 12" Solid Block	---	---	---	12 x 6 x 8	---	12.2	72	28	871	---	(Light Weight)
5	6"x 8"x 12" Solid Block	---	---	---	12 x 5.9 x 8	---	11.2	70.8	24	759	---	(Light Weight)
6	6"x 8"x 12" Solid Block	---	---	---	12 x 5.9 x 8	---	11.6	70.8	28	886	---	(Light Weight)
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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