



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.

106
 Engr. A. Rehman

To: Mr. Muhammad Awais
 Punjab Tiles, New Garden Town, Lahore.

Project: Construction of Model Bazaar Chiniot.

Our Ref. No. CL/CED/ 9390

Dated: 05/09/2025

Test Specification

Your Ref. No. PT/2025/MB/C-0001

Dated: 04/09/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 **Tested on:** 05/09/2025 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	Terrazzo Tile- Grey	---	---	---	6 x 5.9 x 1	---	1205	35.4	112	7087	---	Cut Piece
2	Terrazzo Tile- Grey	---	---	---	6 x 5.9 x 1	---	1205	35.4	110	6960	---	Cut Piece
3	Terrazzo Tile- Grey	---	---	---	5.9 x 5.9 x 1	---	1185	34.81	116	7465	---	Cut Piece
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
- ** 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

- 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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Civil Engineering Department
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ORIGINAL
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105
 Engr. A. Rehman

To: Mr. Muhammad Ishtiaq
 Operational Manager, AL Areesh Engineering Solutions (Pvt) Ltd.
Project: Cylindrical Concrete Samples taken from our ongoing Tank Replacement Project at Pakpattan Filling Station.
 Our Ref. No. CL/CED/ 9391 Dated: 05/09/2025 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: **04/09/2025** Tested on: **05/09/2025** 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	---	27	8	2025	6Diax12	---	14	28.28	50	3960	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

113
Engr. A. Rehman

To: Mr. Ghulam Fareed
Material Engineer, Strong Ready Mix, Lahore

Project: Lahore Sky Ferozpur Road

Our Ref. No. CL/CED/ 9392

Dated: 05/09/2025

Test Specification

Your Ref. No. Nil

Dated: 05/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 05/09/2025 Tested on: 05/09/2025 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	7000 Psi	28	8	2025	6Diax12	---	14	28.28	82	6495	---	Non Engraved
2	7000 Psi	28	8	2025	6Diax12	---	14	28.28	88	6970	---	Non Engraved
3	7000 Psi	28	8	2025	6Diax12	---	14	28.28	76	6020	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Raza Razaq, CNIC 35102-2835848-3; Mr. Usman, CNIC 35202-8679546-1

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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102
Engr. A. Rehman

To: Mr. M. Asif
Canal44 Luxury Apartments, New Garden Town Lahore

Project: Canal44 Luxury Apartments, New Garden Town, Lahore

Our Ref. No. CL/CED/ 9393

Dated: 05/09/2025

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: 04/09/2025 Tested on: 05/09/2025 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	---	23	8	2025	6Diax12	---	13	28.28	40	3168	---	Non Engraved
2	---	23	8	2025	6Diax12	---	13	28.28	42	3327	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
- ** 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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97
 Engr. A. Rehman

To: Mr. Farham Tariq Khan
 Project Manager, The First Brick (SMC PVT) Ltd, Ravi Road, Lahore

Project: Ravi Business Center

Our Ref. No. CL/CED/ 9394

Dated: 05/09/2025

Test Specification

Your Ref. No. Nil

Dated: 03/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 **Tested on:** 05/09/2025 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	3500 Psi	17	8	2025	6Diax12	---	13	28.28	28	2218	---	Non Engraved
2	3500 Psi	17	8	2025	6Diax12	---	13.4	28.28	33	2614	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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)
- ** 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
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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101
 Engr. A. Rehman

To: Mr. Abdul Baseet
 Material Engineer (BMC)

Project: Burj-1 by AJWA Builders (Columns #06 Nos, Grid: C/3, C, D/4, H'/2a, 3, G/3, Lift-05 Column, Grid: H'-H/4, Lift-01 Wall Grid: H'/6)- Main 12th Floor Zone-01 & 02

Our Ref. No. CL/CED/ 9395

Dated: 05/09/2025

Test Specification

Your Ref. No. DOC-BMC/AJWA/197

Dated: 03/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 Tested on: 05/09/2025 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	6000 Psi	24	7	2025	6Diax12	---	14	28.28	81	6416	---	Non Engraved
2	6000 Psi	24	7	2025	6Diax12	---	14	28.28	81	6416	---	Non Engraved
3	6000 Psi	24	7	2025	6Diax12	---	13.8	28.28	84	6653	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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101
 Engr. A. Rehman

To: Mr. Abdul Baseet
Material Engineer (BMC)

Project: Burj-1 by AJWA Builders (Trial Mix Design 5000 Psi)

Our Ref. No. CL/CED/ 9396

Dated: 05/09/2025

Test Specification

Your Ref. No. DOC-BMC/AJWA/198

Dated: 03/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 Tested on: 05/09/2025 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	5000 Psi	5	8	2025	6Diax12	---	14	28.28	74	5861	---	Non Engraved
2	5000 Psi	5	8	2025	6Diax12	---	14	28.28	81	6416	---	Non Engraved
3	5000 Psi	5	8	2025	6Diax12	---	14	28.28	86	6812	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory



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92
 Engr. A. Rehman

To: Mr. Sufyan Uppal
 Project Engineer, BAIG Construction Co., Township Lahore

Project: Construction of ICON Mall & Towers, Bahria Town, Lahore

Our Ref. No. CL/CED/ 9397

Dated: 05/09/2025

Test Specification

Your Ref. No. CT/UET/27082025/9

Dated: 28/8/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 Tested on: 05/09/2025 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	5000 Psi (Raft P to T/8 to 9')	25	7	2025	6Diax12	---	13.6	28.28	74	5861	---	Non Engraved
2	5000 Psi (Raft P to T/8 to 9')	25	7	2025	6Diax12	---	13.4	28.28	81	6416	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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- ** 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.

92
 Engr. A. Rehman

To: Mr. Sufyan Uppal
 Project Engineer, BAIG Construction Co., Township Lahore

Project: Construction of ICON Mall & Towers, Bahria Town, Lahore

Our Ref. No. CL/CED/ 9398

Dated: 05/09/2025

Test Specification

Your Ref. No. CT/UET/27082025/03

Dated: 28/8/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 **Tested on:** 05/09/2025 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	6000 Psi (B-2 Col. R/8, 9, 9' + P/8)	29	7	2025	6Diax12	---	14	28.28	68	5386	---	Non Engraved
2	6000 Psi (B-2 Col. R/8, 9, 9' + P/8)	29	7	2025	6Diax12	---	14	28.28	63	4990	---	Non Engraved
3	6000 Psi (B-2 Col. R/8, 9, 9' + P/8)	29	7	2025	6Diax12	---	13.8	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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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.

92
 Engr. A. Rehman

To: Mr. Sufyan Uppal
 Project Engineer, BAIG Construction Co., Township Lahore

Project: Construction of ICON Mall & Towers, Bahria Town, Lahore

Our Ref. No. CL/CED/ 9399

Dated: 05/09/2025

Test Specification

Your Ref. No. CT/UET/27082025/04

Dated: 28/8/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 **Tested on:** 05/09/2025 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 (B-2 Slab 8 to 10/T to W)	29	7	2025	6Diax12	---	13.6	28.28	46	3644	---	Non Engraved
2	3000 Psi (B-2 Slab 8 to 10/T to W)	29	7	2025	6Diax12	---	14	28.28	61	4832	---	Non Engraved
3	3000 Psi (B-2 Slab 8 to 10/T to W)	29	7	2025	6Diax12	---	13.8	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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



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.

92
 Engr. A. Rehman

To: Mr. Sufyan Uppal
 Project Engineer, BAIG Construction Co., Township Lahore

Project: Construction of ICON Mall & Towers, Bahria Town, Lahore

Our Ref. No. CL/CED/ 9400

Dated: 05/09/2025

Test Specification

Your Ref. No. CT/UET/27082025/03/1

Dated: 28/8/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 **Tested on:** 05/09/2025 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	5000 Psi (Raft T to W/ 8 to 9")	14	7	2025	6Diax12	---	14	28.28	63	4990	---	Non Engraved
2	5000 Psi (Raft T to W/ 8 to 9")	14	7	2025	6Diax12	---	13.8	28.28	62	4911	---	Non Engraved
3	5000 Psi (Raft T to W/ 8 to 9")	14	7	2025	6Diax12	---	14	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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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.

92
 Engr. A. Rehman

To: Mr. Sufyan Uppal
 Project Engineer, BAIG Construction Co., Township Lahore

Project: Construction of ICON Mall & Towers, Bahria Town, Lahore

Our Ref. No. CL/CED/ 9401

Dated: 05/09/2025

Test Specification

Your Ref. No. CT/UET/27082025/03/2

Dated: 28/8/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 **Tested on:** 05/09/2025 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	6000 Psi (B-2 T/8, 9, 9')	18	7	2025	6Diax12	---	14	28.28	63	4990	---	Non Engraved
2	6000 Psi (B-2 T/8, 9, 9')	18	7	2025	6Diax12	---	14	28.28	64	5069	---	Non Engraved
3	6000 Psi (B-2 T/8, 9, 9')	18	7	2025	6Diax12	---	13.8	28.28	62	4911	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
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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
- **** 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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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.

86
 Dr. Qasim Khan

To: Noor ul Huda
 Q.S. Professional Construction Services (Pvt) Ltd.

Project: Construction of Academic Block of Namal University, Mianwali.

Our Ref. No. CL/CED/ 9402

Dated: 05/09/2025

Test Specification

Your Ref. No. PCS/25/Eng/66

Dated: 02/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 02/09/2025 **Tested on:** 04/09/2025 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	Footing Part-01 (3750 Psi)	24	8	2025	6Diax12	---	13.8	28.28	40	3168	---	Non Engraved
2	Footing Part-01 (3750 Psi)	24	8	2025	6Diax12	---	13.8	28.28	46	3644	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Khadim Hussain, CNIC 32202-7351753-3

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
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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.

86
 Dr. Qasim Khan

To: Noor ul Huda
 Q.S. Professional Construction Services (Pvt) Ltd

Project: Construction of Admission & Marketing Office of Namal University, Mianwali

Our Ref. No. CL/CED/ 9403

Dated: 05/09/2025

Test Specification

Your Ref. No. PCS/25/Eng/67

Dated: 02/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 02/09/2025 **Tested on:** 04/09/2025 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	Retaining Wall Part-02 (3750 Psi)	22	8	2025	6Diax12	---	13	28.28	36	2851	---	Non Engraved
2	Retaining Wall Part-02 (3750 Psi)	22	8	2025	6Diax12	---	13.6	28.28	54	4277	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Khadim Hussain, CNIC 32202-7351753-3

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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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.

104
 Engr. A. Rehman

To: Mr. Imran Arshad
 Tehsil and District, Sahiwal.

Project: House # 53 Cavilry Green Society Burki Road, Lahore.

Our Ref. No. CL/CED/ 9404

Dated: 05/09/2025

Test Specification

Your Ref. No. Nil

Dated: 04/09/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 **Tested on:** 05/09/2025 **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	8	2025	6x6x6	---	8.4	36	64	3982	---	Non Engraved
2	---	1	8	2025	6x6x6	---	8.2	36	36	2240	---	Non Engraved
3	---	1	8	2025	6x6x6	---	8.4	36	70	4356	---	Non Engraved
4	---	6	8	2025	6x6x6	---	8	36	42	2613	---	Non Engraved
5	---	6	8	2025	6x6x6	---	8	36	38	2364	---	Non Engraved
6	---	6	8	2025	6x6x6	---	8.4	36	52	3236	---	Non Engraved
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
- **** 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

- 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.

103
 Engr. A. Rehman

To: Engr Bilawal Mahmood
 Assistant Resident Engineer ECSP, Punjab Safe City Project
Project: Establishment of District Integrated Command, Control & Communication (DIC3) in Eighteen Cities (Smart Safe Cities)
 Our Ref. No. CL/CED/ 940 Dated: 05/09/2025 Test Specification
 Your Ref. No. ECSP/PSCS/ARE/008 Dated: 18/7/2025 (BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 Tested on: 05/09/2025 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	IPNV Foundation	24	5	2025	6x6x6	---	8.8	36	84	5227	---	Non Engraved
2	IPNV Foundation	25	5	2025	6x6x6	---	8.8	36	129	8027	---	Non Engraved
3	IPNV Foundation	26	5	2025	6x6x6	---	8.9	36	104	6471	---	Non Engraved
4	IPNV Foundation	29	5	2025	6x6x6	---	8.8	36	116	7218	---	Non Engraved
5	ANPR Foundation	1	6	2025	6x6x6	---	8.8	36	94	5849	---	Non Engraved
6	ANPR Foundation	1	6	2025	6x6x6	---	8.8	36	92	5724	---	Non Engraved
7	ANPR Foundation	4	6	2025	6x6x6	---	8.8	36	82	5102	---	Non Engraved
8	ANPR Foundation	16	6	2025	6x6x6	---	9	36	86	5351	---	Non Engraved
9	ANPR Foundation	18	6	2025	6x6x6	---	8.8	36	110	6844	---	Non Engraved
10	IPNV Foundation	21	6	2025	6x6x6	---	8.8	36	104	6471	---	Non Engraved
11	ANPR Foundation	22	6	2025	6x6x6	---	8.8	36	88	5476	---	Non Engraved
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
- **** 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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- 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.

99
 Engr. A. Rehman

To: Engr. Sheikh Maqbool Hassan
 Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd
Project: Rehabilitation/ Improvement of Streets (P.C.C), Sewerage/ Drainage UC-197, Dhalloki Nishter Zone MCL
 Our Ref. No. CL/CED/ 9406-1 of 2 Dated: 05/09/2025 Test Specification
 Your Ref. No. RE/4084/04/MH/626 Dated: 30/8/2025 (BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 Tested on: 05/09/2025 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	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.2	36	94	5849	---	Non Engraved
2	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8	36	78	4853	---	Non Engraved
3	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.8	36	92	5724	---	Non Engraved
4	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.4	36	84	5227	---	Non Engraved
5	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.4	36	99	6160	---	Non Engraved
6	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.8	36	83	5164	---	Non Engraved
7	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	9	36	64	3982	---	Non Engraved
8	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.8	36	79	4916	---	Non Engraved
9	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	8.4	36	96	5973	---	Non Engraved
10	Conc. Cube (1:2:4)	2	8	2025	6x6x6	---	9	36	73	4542	---	Non Engraved
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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 Engr. A. Rehman

To: Engr. Sheikh Maqbool Hassan
 Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd
Project: Rehabilitation/ Improvement of Streets (P.C.C), Sewerage/ Drainage UC-197, Dhalloki Nishter Zone MCL
 Our Ref. No. CL/CED/ 9406-2 of 2 Dated: 05/09/2025 Test Specification
 Your Ref. No. RE/4084/04/MH/626 Dated: 30/8/2025 (BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 03/09/2025 Tested on: 05/09/2025 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	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	112	6969	---	Non Engraved
2	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.4	36	65	4044	---	Non Engraved
3	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	108	6720	---	Non Engraved
4	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	88	5476	---	Non Engraved
5	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.4	36	88	5476	---	Non Engraved
6	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.8	36	96	5973	---	Non Engraved
7	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	95	5911	---	Non Engraved
8	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.8	36	106	6596	---	Non Engraved
9	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	91	5662	---	Non Engraved
10	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	90	5600	---	Non Engraved
11	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.8	36	108	6720	---	Non Engraved
12	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.8	36	108	6720	---	Non Engraved
13	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.6	36	102	6347	---	Non Engraved
14	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	9	36	104	6471	---	Non Engraved
15	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.4	36	84	5227	---	Non Engraved
16	Conc. Cube (1:2:4)	3	8	2025	6x6x6	---	8.8	36	82	5102	---	Non Engraved

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



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

107
 Engr. A. Rehman

To: Radiant Construction Technologies LLP, Lahore
 54-E, Mohafiz Town, Multan Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9407

Dated: 05/09/2025

Test Specification

Your Ref. No. Nil

Dated: 04/09/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 **Tested on:** 05/09/2025 **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	ConTile Bond G	8	8	2025	2x2x2	---	240	4	5	2800	---	Non Engraved
2	ConTile Bond G	8	8	2025	2x2x2	---	245	4	5	2800	---	Non Engraved
3	ConTile Bond G	8	8	2025	2x2x2	---	230	4	4.75	2660	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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107
 Engr. A. Rehman

To: Radiant Construction Technologies LLP, Lahore
 54-E, Mohafiz Town, Multan Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9408

Dated: 05/09/2025

Test Specification

Your Ref. No. Nil

Dated: 04/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 04/09/2025 **Tested on:** 05/09/2025 **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	ConTile Bond R	5	8	2025	2x2x2	---	220	4	3.25	1820	---	Non Engraved
2	ConTile Bond R	5	8	2025	2x2x2	---	220	4	3.25	1820	---	Non Engraved
3	ConTile Bond R	5	8	2025	2x2x2	---	220	4	3	1680	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory