



**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.

6526  
 Dr. Aqsa

**To: Mr. Muhammad Irfan**  
 Material Engineer, Banu Mukhtar Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/01, Zone-02, Area-04), (6000 Psi)

Our Ref. No. CL/CED/ 3968

Dated: 16-01-24

Test Specification

Your Ref. No. DOC-BMC/AJWA/141

Dated: 11-01-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  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	Septic Tank Walls Grids# A-B/8'-10	15	12	2023	6Diax12	---	14	28.28	91	7208	---	Non Engraved
2	Septic Tank Walls Grids# A-B/8'-10	15	12	2023	6Diax12	---	14	28.28	90	7129	---	Non Engraved
3	Septic Tank Walls Grids# A-B/8'-10	15	12	2023	6Diax12	---	13.2	28.28	92	7287	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan  
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6526  
Dr. Aqsa

To: Mr. Muhammad Irfan  
Material Engineer, Banu Mukhtar Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/01, Zone-02, Area-04)

Our Ref. No. CL/CED/ 3969

Dated: 16-01-24

Test Specification

Your Ref. No. DOC-BMC/AJWA/142

Dated: 11-01-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 11-01-24 Tested on: 16-01-24 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	R.W Grids# A/6-'9' (4000 Psi)	12	12	2023	6Diax12	---	13.6	28.28	80	6337	---	Non Engraved
2	R.W Grids# A/6-'9' (4000 Psi)	12	12	2023	6Diax12	---	13.2	28.28	68	5386	---	Non Engraved
3	R.W Grids# A/6-'9' (4000 Psi)	12	12	2023	6Diax12	---	14	28.28	91	7208	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- \* 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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Director/Dy. Director Concrete Laboratory



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 Dr. Aqsa

**To: Mr. Muhammad Irfan**  
 Material Engineer, Banu Mukhtar Contracting Pvt. Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/01, Zone-02, Area-04), (4000 Psi)

Our Ref. No. CL/CED/ 3970

Dated: 16-01-24

Test Specification

Your Ref. No. DOC-BMC/AJWA/143

Dated: 11-01-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 11-01-24      Tested on: 16-01-24      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	Slab(Down Por.) Grids#G'-J'/6'-7'	14	12	2023	6Diax12	---	13.6	28.28	93	7366	---	Non Engraved
2	Slab(Down Por.) Grids#G'-J'/6'-7'	14	12	2023	6Diax12	---	14	28.28	77	6099	---	Non Engraved
3	Slab(Down Por.) Grids#G'-J'/6'-7'	14	12	2023	6Diax12	---	13.2	28.28	74	5861	---	Non Engraved
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Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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6519  
 Dr. Aqsa

**To:** Zimbis Knitwears (Pvt) Ltd.  
 1/2 km Defence Road, Off Raiwind Road, Bhotatian Chowk, Lahore.

Projcet: Nil

Our Ref. No. CL/CED/ 3971

Dated: 16-01-24

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:  Tested on:  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	10	12	2023	6Diax12	---	13	28.28	18	1426	---	Non Engraved
2	3000 Psi	10	12	2023	6Diax12	---	12.8	28.28	24	1901	---	Non Engraved
3	3000 Psi	10	12	2023	6Diax12	---	13	28.28	18	1426	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL  
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6509  
 Dr. Aqsa

To: Mr. Zeeshan Anwar  
 Project Manager, MEP Solutions Pvt. Ltd.

Project: Construction of Pathology Lab SKMCH & RC, Lahore.

Our Ref. No. CL/CED/ 3972

Dated: 16-01-24

Test Specification

Your Ref. No. Nil

Dated: 08-01-24

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## COMPRESSION TEST REPORT



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

Specimens received on: 09-01-24      Tested on: 16-01-24      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	S	---	---	---	8.8 x 4.3 x 2.8	3610	3145	37.84	39	2309	14.79	---
2	S	---	---	---	8.9 x 4.4 x 3	3860	3385	39.16	41	2345	14.03	---
3	S	---	---	---	8.9 x 4.3 x 3	3765	3315	38.27	41	2400	13.57	---
4	S	---	---	---	8.9 x 4.4 x 3	3810	3265	39.16	43	2460	16.69	---
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**ORIGINAL**  
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6542  
 Dr. Aqsa

**To: Mr. Muhammad Tufail**  
 Construction Team Leader Lahore Office, Zor Engineers Pvt. Ltd.

**Project: Alpha Church of Pakistan. Construction of Church & School, Sangla Hill.**

**Our Ref. No. CL/CED/ 3973**

**Dated: 16-01-24**

**Test Specification**

**Your Ref. No. 230.43.1/MT/3**

**Dated: 15-01-24**

**( BS 1881-116 )**

**COMPRESSION TEST REPORT**



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

**Specimens received on: 15-01-24    Tested on: 16-01-24    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	Church Roof (1:2:4)	22	12	2023	6x6x6	---	8.4	36	23	1431	---	Engraved
2	Church Roof (1:2:4)	22	12	2023	6x6x6	---	8.2	36	33	2053	---	Engraved
3	Church Roof (1:2:4)	22	12	2023	6x6x6	---	8.2	36	23	1431	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

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**Director/Dy. Director Concrete Laboratory**