

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

Specime	ens received on:	25	5/02/2	2025	Tested on:	25/02	2/2025	in dry/we	t condition		Ü	jester j
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kq/ qms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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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16												
Witness	Witnessed by: Mr. Faiz Ahmad. CNIC # 33100-0949345-7											

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

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

4. **** 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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



To: Engr. Muhammad Tarig Assi

General Manager Construction, Jafris & Steele (Pvt.) Ltd. Engineers & Developers.

Our Ref. No. CL/	CED/ 7514	Dated:	25/02/2025	Test Specification
Your Ref. No.	JSPL2025-80/532	Dated:	20/02/2025	(ASTM C39)

8958

COMPRESSION TEST REPORT

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

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

Specime	ens received on:	20	/02/2	2025	Tested on:	25/02	2/2025	in dry/we	t condition			jesteg
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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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16												
Witnessed by: Mr. Ebsan Haider, CNIC # 33203-9955785-7												

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Civil Engineering Department

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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/C	ED/ 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

Specime	ens received on:	20	/02/2	2025	Tested on:	25/02	2/2025	in dry/we	t condition			i centrad
Sr. No.	Mark*	Cas	ting MM	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sg. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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Witness	ed by:											

Nitnessea by:

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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/0	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

Specime	ens received on:	18	8/02/2	2025	Tested on:	25/02	2/2025	in dry/wet condition			Ö	1663696		
Sr. No.	Mark*	Cas	Casting Date*		Casting Date* Size		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3000 Psi	3	1	2025	6Diax12		13.8	28.28	81	(pol) 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	GINE	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	THE NAME OF THY LORD WHO	- 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		
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Witness	ed by:													

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Assistance Resid	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											
Your Ref. No.	NZEB/ACE/LAB/2025/18	Dated:	19/02/2025								



Test Specification (ASTM C39)

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

Specime	ens received on:	19	0/02/2	2025	Tested on:	25/02	2/2025	in dry/we	t condition			jeske g
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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Witness	ed by:											

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Assistance Resi	Assistance Resident Engineers, On the behalf of ACE Architectural & Town Planning Services Ltd.											
Project: Resider Lahore (Concret	nt Construction Supervision for Constructio te Mix Design Trial, Admixture Fospak 568)	n of Net Zero Energy B	uilding (ACEIP, DLI-8),									
Our Ref. No. CL	Our Ref. No. CL/CED/ 7518 Dated: 25/02/2025											
Your Ref. No.	NZEB/ACE/LAB/2025/19	Dated:	19/02/2025									



Test Specification (ASTM C39)

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

Specime	ens received on:	19	/02/2	2025	Tested on:	25/02	2/2025	in dry/we	t condition		Ü	itenes:
Sr. No.	Mark*	Cas	ting	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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	Pla Un	in and Reinforced C Civil Engineering De	oncrete Labor epartment logy, Lahore. Pakistan	atory	ORIGINAL A carbon copy for the report has been retained in the lab for record.
	Landii	ne: 042-99029245 & 042-99029202	MODIIE: 0307-049689	5	
То:	Resident Engine For M/S HA Con	eer Isulting JV M/S Mascon Associates.			Dr. Aqsa
	Project: Constru	uction of AUTISM School, Lahore. (Colu	mns)		
	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)

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*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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Nitnessea by:

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То:	Residen For M/S	t Engine HA Cons	er sulting JV M/S Mascon Associates.			8898 Dr. Aqsa
	Project:	Constru	ction of AUTISM School, Lahore. (Colur	nns)		
	Our Ref.	No. CL/	CED/ 7520	Dated:	25/02/2025	Test Specification
	Your Re	f. No.	HAC-MAC/24/ECAS/Lab/009	Dated:	06/02/2025	(ASTM C39)

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

Specimo	ens received on:	13/02/2025		2025	Tested on:	25/02/2025		in dry/wet condition				
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	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
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
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Witnessed by:

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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/C	ED/ 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

Specime	ens received on:	13	8/02/2	2025	Tested on:	25/02	2/2025	5 in dry/wet condition				jestegi
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
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
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To:	Resident For M/S I	: Engine HA Cons	er sulting JV M/S Mascon Associates.			8898 Dr. Aqsa
	Project:	Constru	ction of AUTISM School, Lahore. (Colur	nns)		
	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)

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

Specimens received on:			13/02/2025		Tested on:	25/02/2025		in dry/wet condition				je slede
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	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
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
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	Lan	Plain and Reinforced C Civil Engineering De University of Engineering and Technol Indline: 042-99029245 & 042-99029202	oncrete Labor partment ogy, Lahore. Pakistan Mobile: 0307-049689	satory	ORIGINAL A carbon copy for the report has been retained in the lab for record.
To:	Resident En	gineer			8898 Dr. Aqsa
	For M/S HA	Consulting JV M/S Mascon Associates. struction of AUTISM School, Lahore. (Colu CL/CED/ 7523	mns) Dated:	25/02/2025	Test Specification
	Your Ref. No	HAC-MAC/24/ECAS/Lab/007	Dated:	27/01/2025	(ASTM C39)

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

Specime	ens received on:	13/02/2025		2025	Tested on:	25/02/2025		in dry/wet condition				
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	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
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	EINE	13.6	28.28	66	5228		Non Engraved
6	4000 Psi	29	12	2024	6Diax12	READ IN	13.8	28.28	72	5703		Non Engraved
7		-				THE NAME OF THY LORD WHO		FB				
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Witnessed by:

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory

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2. The test results are recommended to be interpreted in the light of above factors by the engineer.