

# 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.

> 3880 Dr. Mazhar

Test Specification

To: Mr. Muhammad Irfan

Project Manager, Noor Durrani & Associates, 52-D1, Gulberg-III Lahore.

Project: Construction of Golf View Rumanza, Multan.

Our Ref. No. CL/C	ED/ 9922	Dated:	28/09/2022
Your Ref. No.	J/0676/010	Dated:	15/09/2022

#### **COMPRESSION TEST REPORT**

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

Specimo	ens received on:	15	5/09/2	2022	Tested on:	21/09	9/2022	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	sting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(met.Tons)	(psi)	on (%)	
1	Primary (2 to 8)	2	9	2022	2x2x2		225	4	11.5	6337		Non Engraved (Grout)
2	Primary (2 to 8)	2	9	2022	2x2x2		215	4	6.5	3582		Non Engraved (Grout)
3	Primary (2 to 8)	2	9	2022	2x2x2		210	4	7.6	4188		Non Engraved (Grout)
4	Primary (9 to 34)	3	9	2022	2x2x2	/	215	4	6	3306		Non Engraved (Grout)
5	Primary (9 to 34)	3	9	2022	2x2x2 🧹	ALLE	215	4	10.1	5565		Non Engraved (Grout)
6	Primary (9 to 34)	3	9	2022	2x2x2	THENDIN	220	4	12	6612		Non Engraved (Grout)
7	Secondary (9 to 34)	4	9	2022	2x2x2	OF THY LOUGO WHO CREATES	215	4	5.8	3196		Non Engraved (Grout)
8	Secondary (9 to 34)	4	9	2022	2x2x2		220	5 4	9.3	5124		Non Engraved (Grout)
9	Secondary (9 to 34)	4	9	2022	2x2x2	20	225	4	8.8	4849		Non Engraved (Grout)
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11						\						
12												
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16												
Witness	ed by: Nil											

#### Witnessed by: Nil

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.



## Plain and Reinforced Concrete Laboratory **Civil Engineering Department**

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

3927 Dr. Qasim Shoukat

To: Mr. Arslan Masood, Director XPERT Construction Chemicals (Pvt.) Ltd. Ferozepur Road, Lahore.

**Project: Nil (Provisional Report)** 

Our Ref. No. CL/C	ED/ 9923-1 of 3	Dated:	28/09/2022	Test Specification
Your Ref. No.	XCCPL Ref: HO/22/013	Dated:	22/09/2022	( )

### COMPRESSION TEST REPORT

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

ens received on:	22	2/09/2	2022	Tested on:	23/09	/2022	in dry/wet condition				ONLINE REPORT
Mark*		-		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)			Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
XPERT GROUT-85	20	9	2022	2x2x2		280	4	19.5	10745		Non Engraved
XPERT GROUT-85	20	9	2022	2x2x2		280	4	19.4	10689		Non Engraved
XPERT GROUT-85	20	9	2022	2x2x2		275	4	15.7	8651		Non Engraved
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	Mark*  XPERT GROUT-855 XPERT GROUT-855 XPERT GROUT-856  APPERT GRO	Mark*         Cas           DD           XPERT GROUT-85         20           Image: Comparison of the second of the s	Mark*         Casting           DD         MM           XPERT GROUT-85         20         9           Mark*         1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1         1-1            1-1 </td <td>Mark*         Casting Date*           DD         MM YYYY           XPERT GROUT-85         20         9         2022           1         1         1         2022           1         1         1         1         1           1         1         1         1         1         1           1         1         1         1         1         1         1           1</td> <td>Mark*         Casting Date*         Size           DD         VMM YYYY         (in)           XPERT GROUT-85         20         9         2022         2x2x2           TOT         100         9         2022         2x2x2           XPERT GROUT-85         20         9         202         2x2x2           XPERT GROUT-85         20         9         10         10<td>Mark*         Casting Date*         Size         Wet Weight Weight           DD         MM YYY         (in)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2            Mark*  </td><td>Mark*         Casting Date*         Size         Wet Weight         Dry Weight           DD         MM         YYY         (in)         (Kg/gms)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280           XPERT GROUT-85         20         9         2022         2x2x2          275                 275                                   </td><td>Mark*         <math>Castresside         Size         Wet weight weight weight weight weight weight (Kg/gms)         Area of X-Section (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280         4           The second secon</math></td><td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of (S, in)         Ultimate load (Iad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7  <td>Mark*         <math>Casting Dr W VYY</math>         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of Area of Area of Area of Ioad         Ultimate Stress (Ioad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5         10745           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7         8651                                  </td><td>Mark*         <math>C_{3}</math> <th< td=""></th<></td></td></td>	Mark*         Casting Date*           DD         MM YYYY           XPERT GROUT-85         20         9         2022           1         1         1         2022           1         1         1         1         1           1         1         1         1         1         1           1         1         1         1         1         1         1           1	Mark*         Casting Date*         Size           DD         VMM YYYY         (in)           XPERT GROUT-85         20         9         2022         2x2x2           TOT         100         9         2022         2x2x2           XPERT GROUT-85         20         9         202         2x2x2           XPERT GROUT-85         20         9         10         10 <td>Mark*         Casting Date*         Size         Wet Weight Weight           DD         MM YYY         (in)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2            Mark*  </td> <td>Mark*         Casting Date*         Size         Wet Weight         Dry Weight           DD         MM         YYY         (in)         (Kg/gms)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280           XPERT GROUT-85         20         9         2022         2x2x2          275                 275                                   </td> <td>Mark*         <math>Castresside         Size         Wet weight weight weight weight weight weight (Kg/gms)         Area of X-Section (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280         4           The second secon</math></td> <td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of (S, in)         Ultimate load (Iad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7  <td>Mark*         <math>Casting Dr W VYY</math>         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of Area of Area of Area of Ioad         Ultimate Stress (Ioad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5         10745           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7         8651                                  </td><td>Mark*         <math>C_{3}</math> <th< td=""></th<></td></td>	Mark*         Casting Date*         Size         Wet Weight Weight           DD         MM YYY         (in)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2            Mark*	Mark*         Casting Date*         Size         Wet Weight         Dry Weight           DD         MM         YYY         (in)         (Kg/gms)         (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280           XPERT GROUT-85         20         9         2022         2x2x2          275                 275	Mark* $Castresside         Size         Wet weight weight weight weight weight weight (Kg/gms)         Area of X-Section (Kg/gms)           XPERT GROUT-85         20         9         2022         2x2x2          280         4           The second secon$	Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of (S, in)         Ultimate load (Iad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7 <td>Mark*         <math>Casting Dr W VYY</math>         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of Area of Area of Area of Ioad         Ultimate Stress (Ioad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5         10745           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7         8651                                  </td> <td>Mark*         <math>C_{3}</math> <th< td=""></th<></td>	Mark* $Casting Dr W VYY$ Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of Area of Area of Area of Ioad         Ultimate Stress (Ioad)           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.5         10745           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          280         4         19.4         10689           XPERT GROUT-85         20         9         2022         2x2x2          275         4         15.7         8651	Mark* $C_{3}$ <th< td=""></th<>

#### Witnessed by: Nil

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.







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the lab for record.							

3927 Dr. Umbreen

To: Mr. Arslan Masood, Director XPERT Construction Chemicals (Pvt.) Ltd. Ferozepur Road, Lahore.

Project: Nil (Provisional Report)

Our Ref. No. CL/C	ED/ 9923-2 of 3	Dated:	28/09/2022	Test Specification
Your Ref. No.	XCCPL Ref: HO/22/013	Dated:	22/09/2022	( )

### **COMPRESSION TEST REPORT**

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

Specim	ens received on:	22	2/09/2	2022	Tested on:	27/09	/2022	in dry/wet condition			ONLINE REPORT	
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (met.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	XPERT GROUT-85	20	9	2022	2x2x2		280	4	22	12122		Non Engraved
2	XPERT GROUT-85	20	9	2022	2x2x2		280	4	22.2	12232		Non Engraved
3	XPERT GROUT-85	20	9	2022	2x2x2		280	4	19	10469		Non Engraved
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5					🧹	CHILE	RIA					
6					/4	THE NAME	2077					
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9						-						
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14												
15												
16												
Witness	ed by: Nil											

#### Witnessed by: Nil

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

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

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3. \*\*\* 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

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.







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the report has
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3924 & 3956 Dr. Rizwan Riaz

**Test Specification** 

( ---- )

<b>)</b> :	Lt. Col. (R) Muhammad Ibrahim, Estate Engineer Board of Management Sundar Industrial Estate. Raiwind Ro	ad, Lahore.	
	Project: Providing and Laying Tuff Pavers Flooring Sorround Al-Haram Contractors)	ding in Electric Fiel	d Equipments at SIE). (M/s
	Our Ref. No. CL/CED/ 9924	Dated:	28/09/2022
	Your Ref. No. BOM/SIE/BCD 8305	Dated:	21/09/2022

### **COMPRESSION TEST REPORT**

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



Specimens received on:			/09/2	022	Tested on:	27/09	/2022	in dry/we	t condition			ie de la companya de
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Rectangular, Grey, 60mm				7.8 x 3.8 x 2.3		2675	29.64	138	10429		
2	Rectangular, Grey, 60mm				7.8 x 3.8 x 2.3		2730	29.64	130	9825		
3	Rectangular, Grey, 60mm				7.8 x 3.8 x 2.3		2630	29.64	132	9976		
4	Rectangular, Red, 60mm				7.8 x 3.8 x 2.3		2765	29.64	142	10731		
5						AINE	RINO					
6					)	Carata M						
7						DHE NIKKE CONTROL LORD VORD						
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

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

То

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#### Director/Dy. Director Concrete Laboratory



3925 Dr. Umbreen

To: Professional Construction Services Ltd. Lahore. 301-A, Block-R, Johar Town, Lahore.

Project: Construction of TCF Secondary School Thatta Ghulab Singh Kamokey Gujranwala.

Our Ref. No. CL/	CED/ 9925	Dated:	28/09/2022	Test Specification
Your Ref. No.	PCS/22/Eng-105	Dated:	22/9/2022	( BS 1881-116 )

### COMPRESSION TEST REPORT

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

Specimens received on:		22/9/2022			Tested on:	d on: 27/9/2022 in dry/v		in dry/we	et condition			ONLINE REPORT
Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
1	Footing (1:2:4)	30	3	2022	6x6x6		8.6	36	41	2551		Engraved
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7						THE NAME OF THY LORD WHO						
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14												
15												
16												
Witness	Witnessed by: Nil											

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

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