



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8287

Engr. Ubaid

To: **Executive Engineer**
PASSCO Division Okara.
Project:

Our Ref. No. CL/CED/ 7624 Dated: 26-03-19

Your Ref. No. PASSCOW/EE/OK/19/10 Dated: 18-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-03-19 Tested on: 25-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------|-----|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| | | Wet Weight (gms) | | | | | | | | |
| 1 | S | | | 3063 | 8.8x4.4x2.9 | 2665 | 38.72 | 47 | 2720 | 14.93 |
| 2 | S | | | 2994 | 8.9x4.3x3 | 2660 | 38.27 | 51 | 2990 | 12.55 |
| 3 | S | | | 3141 | 8.9x4.3x2.9 | 2780 | 38.27 | 41 | 2400 | 12.98 |
| 4 | K2 | | | 3186 | 8.9x4.2x2.8 | 2865 | 37.38 | 47 | 2820 | 11.2 |
| 5 | K2 | | | 3213 | 8.9x4.4x2.9 | 2798 | 39.16 | 47 | 2690 | 14.83 |
| 6 | K2 | | | 3186 | 8.9x4.4x2.8 | 2875 | 39.16 | 39 | 2240 | 10.81 |
| 7 | ABC | | | 3190 | 8.9x4.3x2.9 | 2836 | 38.27 | 39 | 2290 | 12.48 |
| 8 | ABC | | | 3239 | 8.8x4.4x2.9 | 2850 | 38.27 | 42 | 2460 | 13.64 |
| 9 | ABC | | | 3290 | 8.9x4.3x2.8 | 2845 | 38.27 | 45 | 2640 | 15.64 |
| 10 | JBC | | | 2939 | 8.8x4.4x2.9 | 2634 | 38.72 | 59 | 3420 | 11.57 |
| 11 | JBC | | | 3005 | 8.9x4.3x2.9 | 2665 | 38.27 | 37 | 2170 | 12.75 |
| 12 | JBC | | | 2859 | 8.9x4.4x2.9 | 2563 | 39.16 | 51 | 2920 | 11.54 |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8268

Engr. Ubaid

To: **Malik Zafar (GM, GE)**

Guarantee Engineers Pvt. Ltd.

Project: Constt. of Nishat Linen Flagship Store Bldg. at 5-A/3 M.A Kasoori Road Gulberg-III, Lahore.

Our Ref. No. CL/CED/

7625

Dated:

26-03-19

Your Ref. No.

NLFS/GE/ST/058

Dated:

14-03-19

COMPRESSION TEST REPORT

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

Specimens received on:

15-03-19

Tested on:

25-03-19

in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|--------------------|---------------------------------------|-----|-----|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1 | Precast Conc. Tile | | | | 5.7x5.7x1 | 1228 | 32.49 | 116 | 8000 | |
| 2 | Precast Conc. Tile | | | | 5.9x5.8x1 | 1237 | 34.22 | 106 | 6940 | |
| 3 | Precast Conc. Tile | | | | 5.8x5.8x1 | 1138 | 33.64 | 108 | 7200 | |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8265
Dr. Umbreen

To: **Mr. Sageer Abbas, AM/Construction**
Kamal Ltd. (Garment Division Lahore), Uni-Block, Grey
Project:

Our Ref. No. CL/CED/ 7626 Dated: 26-03-19

Your Ref. No. Nil Dated: Nil

COMPRESSION TEST REPORT

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

Specimens received on: 14-03-19 Tested on: 22-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------|-----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|---------|
| | | Month | Day | Year | | | | | | |
| 1 | G-1 | | | | 2.2 thick | 3232 | 37.25 | 110 | 6620 | |
| 2 | G-2 | | | | 2.2 thick | 3241 | 37.25 | 110 | 6620 | |
| 3 | G-3 | | | | 2.2 thick | 3214 | 37.25 | 136 | 8180 | |
| 4 | G-4 | | | | 2.2 thick | 3380 | 37.25 | 100 | 6020 | |
| 5 | H-1 | | | | 2.2 thick | 3396 | 37.25 | 140 | 8420 | |
| 6 | H-2 | | | | 2.2 thick | 3288 | 37.25 | 90 | 5420 | |
| 7 | H-3 | | | | 2.2 thick | 3347 | 37.25 | 100 | 6020 | |
| 8 | H-4 | | | | 2.2 thick | 3394 | 37.25 | 96 | 5780 | |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8275

Dr. Umbreen

To: Ibrahim Khan

Amanullah Khan & Co. Pvt. Ltd. Islamabad

Project: (Lot #2) PPIC3 Centre Lahore Extension of Optical Fiber Cable (OFC) Laying for Kasur & Other Areas Within the Limits of LDA, Upto 100Km OSP Works Within Kasur City

Our Ref. No. CL/CED/

7627

Dated:

26-03-19

Your Ref. No.

PPIC3K-CCS-05

Dated:

15-03-19

COMPRESSION TEST REPORT

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

Specimens received on:

15-03-19

Tested on:

18-03-19

in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------|-----|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|----------|
| | | Month | Day | Year | | | | | | |
| 1 | | 9 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 104 | 6480 | Engraved |
| 2 | | 9 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 104 | 6480 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8275

To: Ibrahim Khan

Dr. Umbreen

Amanullah Khan & Co. Pvt. Ltd. Islamabad

Project: (Lot #2) PPIC3 Centre Lahore Extension of Optical Fiber Cable (OFC) Laying for Kasur & Other Areas Within the Limits of LDA, Upto 100Km OSP Works Within Kasur City

Our Ref. No. CL/CED/ 7628 Dated: 26-03-19

Your Ref. No. PPIC3K-CCS-04 Dated: 15-03-19

COMPRESSION TEST REPORT

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

Specimens received

on: 15-03-19 Tested on: 18-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
| | | Wet Weight (gms) | | | | | | | | |
| 1 | | 10 | 1 | 2019 | 6x6x6 | 8.2 | 36 | 94 | 5850 | Engraved |
| 2 | | 10 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 104 | 6480 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website

http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8277

To: Ibrahim Khan

Dr. M. Yousaf

Amanullah Khan & Co. Pvt. Ltd. Islamabad

Project: (Lot #2) PPIC3 Centre Lahore Extension of Optical Fiber Cable (OFC) Laying for Kasur & Other Areas Within the Limits of LDA, Upto 100Km OSP Works Within Kasur City

Our Ref. No. CL/CED/ 7629 Dated: 26-03-19

Your Ref. No. PPIC3K-CCS-06 Dated: 15-03-19

COMPRESSION TEST REPORT

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

Specimens received

on: 15-03-19 Tested on: 18-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
| | | Wet Weight (gms) | | | | | | | | |
| 1 | | 21 | 1 | 2019 | 6Diax12 | 13 | 28.28 | 71 | 5630 | Engraved |
| 2 | | 21 | 1 | 2019 | 6Diax12 | 13 | 28.28 | 48 | 3810 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8277

To: **Ibrahim Khan**
Amanullah Khan & Co. Pvt. Ltd. Islamabad
Project: Dark Fiber Metro CMPak Quetta

Dr. M. Yousaf

Our Ref. No. CL/CED/ 7630-1 of 2 Dated: 26-03-19

Your Ref. No. CMPak-CCS-01 Dated: 15-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 18-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|----------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | | 5 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 88 | 5480 | Engraved |
| 2 | | 10 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 102 | 6350 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8277

To: **Ibrahim Khan**
Amanullah Khan & Co. Pvt. Ltd. Islamabad
Project: Dark Fiber Metro CMPak Quetta

Dr. M. Yousaf

Our Ref. No. CL/CED/ 7630-2 of 2 Dated: 26-03-19

Your Ref. No. CMPak-CCS-01 Dated: 15-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 18-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
| | | Month | Day | Year | | | | | | |
| 1 | | 12 | 1 | 2019 | 6Diax12 | 13 | 28.28 | 78 | 6180 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8278

To: Sr. Assistant Engineer

Engr. Aamina

Lahore College For Women University, Jail Road, Lahore.

Project: Constt. of 1st Floor Old Committee Room & PCC in Passage in front of Comm. Room LCWU, Lhr.

Our Ref. No. CL/CED/ 7631 Dated: 26-03-19

Your Ref. No. 1015 Dated: 04-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|----------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | | 22 | 1 | 2019 | 6x6x6 | 8.4 | 36 | 51 | 3180 | Engraved |
| 2 | | 22 | 1 | 2019 | 6x6x6 | 8.2 | 36 | 61 | 3800 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* 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" dia x 12" 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8283

Dr. Umbreen

To: Muhammad Aftab, Asstt General Manager
Banu Mukhtar Contracting Pvt. Ltd.
Project: Interloop Green DENIM Factor

Our Ref. No. CL/CED/ 7632 Dated: 26-03-19

Your Ref. No. BMC/INTERLOOP/002 Dated: 18-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-03-19 Tested on: 22-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|----------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | 4500 Psi | 10 | 2 | 2019 | 6x6x6 | 8.4 | 36 | 77 | 4800 | Non Engraved |
| 2 | 4500 Psi | 10 | 2 | 2019 | 6x6x6 | 8.6 | 36 | 100 | 6230 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8283

Dr. Umbreen

To: **Muhammad Aftab, Asstt General Manager**
Banu Mukhtar Contracting Pvt. Ltd.
Project: Interloop Green DENIM Factor

Our Ref. No. CL/CED/ 7633 Dated: 26-03-19

Your Ref. No. BMC/INTERLOOP/003 Dated: 18-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-03-19 Tested on: 22-03-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|----------------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | 3000 Psi | 18 | 2 | 2019 | 6x6x6 | 8.4 | 36 | 94 | 5850 | Non Engraved |
| 2 | 3000 Psi | 18 | 2 | 2019 | 6x6x6 | 8.6 | 36 | 104 | 6480 | Non Engraved |
| 3 | 3000 Psi | 18 | 2 | 2019 | 6x6x6 | 8.6 | 36 | 106 | 6600 | Non Engraved |
| 4 | 3000 Psi | 18 | 2 | 2019 | 6x6x6 | 8.6 | 36 | 102 | 6350 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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" dia x 12" 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