



## GEOTECHNICAL SERVICES

Civil & Geotechnical Engineers  
Testing Laboratory  
52/3, Darul Aman Society, Haider Ali Road, Karachi.  
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Geotechnical Engineer

**Maria Khan**  
B.E. (Urban), NED  
Design Engineer

**Kainat Qadeer**  
B.E. (Civ.), NED  
Design Engineer

**CLIENT : M/S CONCEPT LOOP**

**Ref: 12070A/21/12/2023**

### COMPRESSIVE STRENGTH OF PAVERS

| S.<br>NO. | MARKING    | PLAN<br>AREA<br>(sq.cm) | SIZE<br>(cm) | TESTING<br>DATE | COMPRESSIVE STRENGTH  |       |
|-----------|------------|-------------------------|--------------|-----------------|-----------------------|-------|
|           |            |                         |              |                 | (kg/cm <sup>2</sup> ) | (psi) |
| 1.        | Eco Pavers | 200.00                  | 10 x 20 x 8  | 21.12.23        | 547.57                | 7788  |
| 2.        | "          | "                       | "            | "               | 517.48                | 7360  |
| 3.        | "          | "                       | "            | "               | 439.22                | 6247  |

**NOTE:**  
Plan area has been calculated  
as per BS 6717: Part-1.

**For GEOTECHNICAL SERVICES**

**MUHAMMAD AMEEN  
LABORATORY MANAGER**

**NOTES:**

- 1) The laboratory does not take responsibility for the sample delivered after office hours.
- 2) The results pertain to the samples supplied to the laboratory.



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**CLIENT : M/S CONCEPT LOOP**

**Ref: 9308/02/10/2023**

### COMPRESSIVE STRENGTH OF PAVERS

| S.<br>NO. | MARKING     | PLAN<br>AREA<br>(sq.cm) | S I Z E<br>(cm) | TESTING<br>DATE | COMPRESSIVE STRENGTH   |       |
|-----------|-------------|-------------------------|-----------------|-----------------|------------------------|-------|
|           |             |                         |                 |                 | (kg/ cm <sup>2</sup> ) | (psi) |
| 1.        | Grey Pavers | 200.00                  | 10 x 20 x 6     | 02.10.23        | 328.91                 | 4678  |
| 2.        | "           | "                       | "               | "               | 318.08                 | 4524  |

**NOTE:**

Plan area has been calculated  
as per BS 6717: Part-1.

**For GEOTECHNICAL SERVICES**

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CLIENT : M/S CONCEPT LOOP

Ref: 2328/07/03/2024

### COMPRESSIVE STRENGTH OF BLOCKS

| S. NO. | MARKING      | SIZE (inch) | TESTING DATE | COMPRESSIVE STRENGTH (psi) |
|--------|--------------|-------------|--------------|----------------------------|
| 1.     | Solid Blocks | 6 x 8 x 12  | 07.03.24     | 1187                       |
| 2.     |              | "           | "            | 1155                       |
| 3.     |              | "           | "            | 1405                       |

For GEOTECHNICAL SERVICES

MUHAMMAD AMEEN  
LABORATORY MANAGER

#### NOTES:

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**CLIENT : M/S CONCEPT LOOP**

**Ref: 10511C/06/11/2023**

### COMPRESSIVE STRENGTH OF BLOCK

| MARKING     | SIZE<br>(inch) | TESTING<br>DATE | COMPRESSIVE<br>STRENGTH<br>(psi) |
|-------------|----------------|-----------------|----------------------------------|
| Solid Block | 6 x 8 x 12     | 06.11.23.       | 843                              |

**For GEOTECHNICAL SERVICES**

**MUHAMMAD AMEEN  
LABORATORY MANAGER**

#### NOTES:

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**Pakistan Council of Scientific & Industrial Research  
Laboratories Complex, Karachi**

Shahrah-e-Dr. Salimuzzaman Siddiqui, Off University Road, Karachi-75280

Doc# KLC-ILO/TF/510/02(NA) Issue Date: May 2, 2017 Issue # 02 Rev # 03

**TEST REPORT**

Test Report #. ILD/ATR-2024-26084-2

Date: 02-02-2024

1. Name and Address of Client: M/s Concept Loop,  
Building No. 11 C, Khayaban e Abbasi, Phase VII,  
DHA, Karachi

Ref. No: Nil

Date of receipt: 11-01-2024

2. Description of the Sample:

Item: EcoBlock

Make: Nil

Lab. Code No: ILD/ATR-2024-26084-2

Mark if any: Nil

Condition found on receipt: Normal

3. Test Performed on: 15.01.2024 - 01-02-2024

Date of sampling: N.A.

4. Environmental Conditions: Within Acceptable Limits. Temp: ---- Humidity:  
(Where applicable)

5. Method Used: UTM, ASTM C 1585 & Lab developed

6. Measurements & Results: Uncertainty: ----

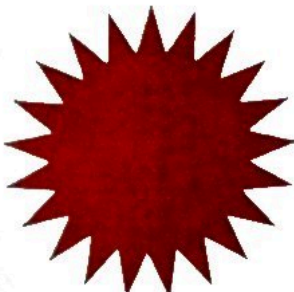
| Sr. No. | Parameters   | Results |
|---------|--------------|---------|
| 1.      | Tension Test | 520 KPa |

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): N.A.

**END OF REPORT**

- This test report is based solely on the particular sample(s) supplied by the client and should not be reported in part.
- Sampling has not been performed by the PCSIR Labs and PCSIR does not accept the responsibility that the item(s) supplied is/are truly representative item(s) of any batch or stock or entire production.
- While the PCSIR agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability there of beyond the amount of the fee charged for the analysis/test.
- The party shall assume full responsibility for the ethical use of the results in the test report and the laboratory shall be held free from any and all claims, which may result from the use of such data by the client or others.
- After completion of the test report the sample, if required, will be retained for one month until negotiated otherwise.
- The contents of this certificate cannot be, in any manner, used for the publicity of the product or any advertisement.
- Uncertainty of measurements can be provided on request.



Prepared by  
Shafiq  
Section Incharge

Shafiq  
Head of the Centre

Counter Signature  
Shafiq  
Director General



**Pakistan Council of Scientific & Industrial Research  
Laboratories Complex, Karachi**

Shahrah-e-Dr. Salimuzzaman Siddiqui, Off University Road, Karachi-75280

Doc# KLC/LOFF/510/02(NA) Issue Date: May 2, 2017 Issue # 01 Rev # 01

**TEST REPORT**

Test Report #. ILD/ATR-2024-26084-1

Date: 02-02-2024

1. Name and Address of Client: M/s Concept Loop.  
Building No. 11 C, Khayaban e Abbasi, Phase VII,  
DHA, Karachi

Ref. No: Nil

Date of receipt: 11-01-2024

2. Description of the Sample:

Item: EcoBlock

Make: Nil

Lab. Code No: ILD/ATR-2024-26084-1

Mark if any: Nil

Condition found on receipt: Normal

3. Test Performed on: 15.01.2024 - 01-02-2024

Date of sampling: N.A.

4. Environmental Conditions: Within Acceptable Limits. Temp: ---- Humidity:  
(Where applicable)

5. Method Used: UTM, ASTM C 1585 & Lab developed

6. Measurements & Results: Uncertainty: ----

| Sr. No. | Parameters               | Results |
|---------|--------------------------|---------|
| 1.      | Fire Rating              |         |
|         | Weight Loss after 3 hrs: | 1.053%  |

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): N.A.

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Prepared by  
[Signature]  
Section Incharge

[Signature]  
Head of the Centre

[Signature]  
Counter Signature  
Director General





Pakistan Council of Scientific & Industrial Research  
Laboratories Complex, Karachi

Shahrah-e-Dr. Salimuzzaman Siddiqui, Off University Road, Karachi-75280

Doc# KLC-ILO-FF-51092(NA) Issue Date: May 2, 2017 Issue # 02 Rev # 03

TEST REPORT

Test Report #. ILD/ATR-2024-26084-4

Date: 02-02-2024

1. Name and Address of Client: M/s Concept Loop.  
Building No. 11 C, Khayaban e Abbasi, Phase VII.  
DHA, Karachi

Ref. No: Nil

Date of receipt: 11-01-2024

2. Description of the Sample:

Item: EcoBlock

Make: Nil

Lab. Code No: ILD/ATR-2024-26084-4

Mark if any: Nil

Condition found on receipt: Normal

3. Test Performed on: 15.01.2024 - 01-02-2024

Date of sampling: N.A.

4. Environmental Conditions: Within Acceptable Limits. Temp: ---- Humidity:  
(Where applicable)

5. Method Used: UTM, ASTM C 1585 & Lab developed

6. Measurements & Results: Uncertainty: ----

| Sr. No. | Parameters       | Results |
|---------|------------------|---------|
| 1.      | Water Absorption | 4.20 %  |

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): N.A.

END OF REPORT

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Prepared by

Sadia Akram  
Section Incharge

Shiraz  
Head of the Centre

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Director General





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Doc# KLC/IL/O/FF/510/02(NA)

Issue Date: May 2, 2017

Issue # 02

Rev # 03

TEST REPORT

Test Report #. ILD/ATR-2024-26084-5

Date: 02-02-2024

1. Name and Address of Client: M/s Concept Loop.  
Building No. 11 C, Khayaban e Abbasi, Phase VII,  
DHA, Karachi
- Ref. No: Nil Date of receipt: 11-01-2024
2. Description of the Sample:  
Item: EcoBlock Make: Nil  
Lab. Code No: ILD/ATR-2024-26084-5 Mark if any: Nil  
Condition found on receipt: Normal
3. Test Performed on: 15.01.2024 - 01-02-2024 Date of sampling: N.A.
4. Environmental Conditions: Within Acceptable Limits. Temp: ---- Humidity:  
(Where applicable)
5. Method Used: UTM, ASTM C 1585 & Lab developed
6. Measurements & Results: Uncertainty: ----

| Sr. No. | Parameters | Results                |
|---------|------------|------------------------|
| 1.      | Density    | 1870 kg/m <sup>3</sup> |

7. Statement of Compliance: N.A.
8. Opinion / Interpretation (where required): N.A.

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Prepared by

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