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APP: R.Moursi
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# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000428 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | n.p | Sample No. | JH.MMS25000088 |
| Project No. | n.p | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | n.p | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | 6Hollow Block (40cm,20cm,20cm) Non Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | n.p | Date Received | 24-Dec-2024 |
| Tested By | Aces | Date Tested | 30-Dec-2025 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions | | | | |
|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
| Hollow Block | 399.1x197.3x197.4 | 1 | 399.1 | 197.3 | 197.4 | 23.6 | 23.5 |
| | 399.5x197.4x197.5 | 2 | 399.5 | 197.4 | 197.5 | 23.4 | 23.3 |
| | 399.5x197.5x197.8 | 3 | 399.5 | 197.5 | 197.8 | 23.1 | 23.7 |
| Specifications as Per ASTM C129 | | | 400±3.2 mm | 200±3.2 mm | 200±3.2 mm | --- | Min 13mm |
| | | | Comply | | | Comply | |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions | | | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | | | | | | |
| Hollow Block | 399.1x197.3x197.4 | 1 | 399.1 | 197.3 | 197.4 | 37115 | 1801.2 | 283.7 | 13430 | 7.6 | 7.2 |
| | 399.5x197.4x197.5 | 2 | 399.5 | 197.4 | 197.5 | 41590 | 1699.9 | 288.9 | 14212 | 6.9 | |
| | 399.5x197.5x197.8 | 3 | 399.5 | 197.5 | 197.8 | 38885 | 1782.3 | 270.4 | 13987 | 7.0 | |
| Specifications as Per ASTM C129 | | | | | | --- | Lightweight Less Than (1680) Medium Weight(1680to2000) Normal Weight(2000)or more | --- | --- | Min (3.45) | Min (4.14) |
| | | | | | | | Medium weight Block | | | Comply | Comply |

*Notes:*

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Material Department
**Arab Company For Laboratories and Soil**

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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000428 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | n.p | **Sample No.** | JH.MMS25000088 |
| **Project No.** | n.p | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | 6Hollow Block (40cm,20cm,20cm) Non Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | n.p | **Date Tested** | 24/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption % |
|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | |
| Hollow Block | 1 | 399.1 | 197.3 | 197.4 | 13430 | 14333 | 6.7 |
| | 2 | 399.5 | 197.4 | 197.5 | 14212 | 15170 | 6.7 |
| | 3 | 399.5 | 197.5 | 197.8 | 13987 | 14992 | 7.2 |

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CHK: Y.Baraka
APP: R.Moursi

# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000431 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | n.p | Sample No. | JH.MMS25000089 |
| Project No. | n.p | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | n.p | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | 3Hollow Block (40cm,20cm,20cm) Non Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | n.p | Date Received | 24-Dec-2024 |
| Tested By | ACES | Date Tested | 30-Dec-2024 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions | | | | |
|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
| Hollow Block | 398.5x197.8x198.3 | 1 | 398.5 | 197.8 | 198.3 | 21.6 | 22.3 |
| | 398.8x198.2x198.5 | 2 | 398.8 | 198.2 | 198.5 | 21.3 | 23.1 |
| | 399.1x198.1x198.2 | 3 | 399.1 | 198.1 | 198.2 | 22.3 | 23.3 |
| Specifications as Per ASTM C129 | | | 400±3.2 mm | 200±3.2 mm | 200±3.2 mm | --- | Min 13mm |
| | | | Comply | | | Comply | |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions | | | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | | | | | | |
| Hollow Block | 398.5x197.8x198.3 | 1 | 399 | 198 | 198 | 34950 | 1888.6 | 323.3 | 13297 | 9.3 | 8.4 |
| | 398.8x198.2x198.5 | 2 | 399 | 198 | 199 | 34985 | 1896.5 | 316.0 | 13343 | 9.0 | |
| | 399.1x198.1x198.2 | 3 | 399 | 198 | 198 | 34470 | 1912.8 | 238.7 | 13289 | 6.9 | |
| Specifications as Per ASTM C129 | | | | | | --- | Lightweight Less Than (1680)<br>Medium Weight(1680to2000)<br>Normal Weight(2000)or more | --- | --- | Min (3.45) | Min (4.14) |
| | | | | | | | Medium weight Block | | | Comply | Comply |

*Notes:*

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Arab Company For Laboratories and Soil

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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000431 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | n.p | **Sample No.** | JH.MMS25000089 |
| **Project No.** | n.p | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | 3Hollow Block (40cm,20cm,20cm) Non Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | n.p | **Date Tested** | 30/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption kg/m3 | Average |
|---|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | | |
| Hollow Block | 1 | 398.5 | 197.8 | 198.3 | 13297 | 14110 | 130.0 | 137.9 |
| | 2 | 398.8 | 198.2 | 198.5 | 13343 | 14218 | 135.5 | |
| | 3 | 399.1 | 198.1 | 198.2 | 13289 | 14209 | 148.2 | |

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APP: R.Moursi

# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000434 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | n.p | Sample No. | JH.MMS25000090 |
| Project No. | n.p | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | n.p | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | 6Hollow Block (40cm,20cm,30cm) Non Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | No. | Date Received | 24-Dec-2024 |
| Tested By | Aces | Date Tested | 30-Dec-2024 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions | | | | |
|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
| Hollow Block | 398.5x298.2x198.2 | 1 | 398.5 | 298.2 | 198.2 | 21.4 | 22.0 |
| | 398.6x298.1x198.2 | 2 | 398.6 | 298.1 | 198.2 | 23.2 | 22.3 |
| | 398.4x298.4x198.1 | 3 | 398.4 | 298.4 | 198.1 | 22.6 | 22.0 |
| Specifications as Per ASTM C129 | | | 400±3.2 mm | 200±3.2 mm | 200±3.2 mm | --- | Min 13mm |
| | | | Comply | | | Comply | |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions | | | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | | | | | | |
| Hollow Block | 398.5x298.2x198.2 | 1 | 398.5 | 298.2 | 198.2 | 52190 | 2029.8 | 399.3 | 21380 | 7.7 | 6.9 |
| | 398.6x298.1x198.2 | 2 | 398.6 | 298.1 | 198.2 | 54465 | 2042.7 | 348.5 | 22438 | 6.4 | |
| | 398.4x298.4x198.1 | 3 | 398.4 | 298.4 | 198.1 | 53390 | 2030.3 | 357.1 | 21863 | 6.7 | |
| Specifications as Per ASTM C129 | | | | | | --- | Lightweight Less Than (1680) Medium Weight(1680to2000) Normal Weight(2000)or more | --- | --- | Min (3.45) | Min (4.14) |
| | | | | | | | Normal weight Block | | | Comply | Comply |

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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000434 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | n.p | **Sample No.** | JH.MMS25000090 |
| **Project No.** | n.p | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | 6Hollow Block (40cm,20cm,30cm) Non Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | No. | **Date Tested** | 30/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption kg/m3 | Average |
|---|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | | |
| Hollow Block | 1 | 398.5 | 298.2 | 198.2 | 21380 | 22215 | 98.5 | 100.0 |
| | 2 | 398.6 | 298.1 | 198.2 | 22438 | 23345 | 100.4 | |
| | 3 | 398.4 | 298.4 | 198.1 | 21863 | 22759 | 101.0 | |

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# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000437 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | N.P | Sample No. | JH.MMS25000091 |
| Project No. | N.P | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | N.P | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | 3Hollow Block (40cm,20cm,15cm) Non Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | No. | Date Received | 24-Dec-2024 |
| Tested By | ACES | Date Tested | 30-Dec-2024 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
|---|---|---|---|---|---|---|---|
| Hollow Block | 398.4x148.2x149.1 | 1 | 398.4 | 148.2 | 149.1 | 23.2 | 23.9 |
| | 398.5x148.5x149.3 | 2 | 398.5 | 148.5 | 149.3 | 24.3 | 23.0 |
| | 398.7x148.6x149.1 | 3 | 398.7 | 148.6 | 149.1 | 22.7 | 24.0 |
| Specifications as Per ASTM C129 | | | 400±3.2 mm | 200±3.2 mm | 200±3.2 mm | --- | Min 13mm |
| | | | Comply | | | Comply | |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions Length (mm) | Width (mm) | Height (mm) | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hollow Block | 398.4x148.2x149.1 | 1 | 398 | 148 | 149 | 30880 | 1752.1 | 130.9 | 10923 | 4.2 | 4.2 |
| | 398.5x148.5x149.3 | 2 | 399 | 149 | 149 | 32845 | 1690.5 | 202.2 | 11298 | 6.2 | |
| | 398.7x148.6x149.1 | 3 | 399 | 149 | 149 | 33255 | 1680.0 | 165.9 | 11253 | 5.0 | |
| Specifications as Per ASTM C129 | | | | | | --- | Lightweight Less Than (1680)<br>Medium Weight(1680to2000)<br>Normal Weight(2000)or more | --- | --- | Min (3.45) | Min (4.14) |
| | | | | | | | Medium weight Block | | | Comply | Comply |

*Notes:*

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Material Department
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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000437 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | N.P | **Sample No.** | JH.MMS25000091 |
| **Project No.** | N.P | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | 3Hollow Block (40cm,20cm,15cm) Non Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | No. | **Date Tested** | 24/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption kg/m3 |
|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | |
| Hollow Block | 1 | 398.4 | 148.2 | 149.1 | 10923 | 11888 | 172.8 |
| | 2 | 398.5 | 148.5 | 149.3 | 11298 | 12189 | 165.0 |
| | 3 | 398.7 | 148.6 | 149.1 | 11253 | 12200 | 156.4 |

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# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000440 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | n.p | Sample No. | JH.MMS25000092 |
| Project No. | n.p | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | n.p | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | 8Hollow Block (40cm,20cm,20cm) Non Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | No. | Date Received | 24-Dec-2024 |
| Tested By | Aces | Date Tested | 30-Dec-2024 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions | | | | |
|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
| Hollow Block | 399.3x196.9x197.1 | 1 | 399.3 | 196.9 | 197.1 | 45.9 | 22.0 |
| | 399.2x197.2x197.1 | 2 | 399.2 | 197.2 | 197.1 | 21.2 | 24.2 |
| | 398.8x196.9x197.2 | 3 | 398.8 | 196.9 | 197.2 | 21.3 | 23.6 |
| Specifications as Per ASTM C129 | | | 400±3.2 mm | 200±3.2 mm | 200±3.2 mm | --- | Min 13mm |
| | | | Comply | | | Comply | |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions | | | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | | | | | | |
| Hollow Block | 399.3x196.9x197.1 | 1 | 399.3 | 196.9 | 197.1 | 37625 | 1781.0 | 191.5 | 13512 | 5.1 | 5.2 |
| | 399.2x197.2x197.1 | 2 | 399.2 | 197.2 | 197.1 | 35900 | 1798.1 | 176.0 | 13098 | 4.9 | |
| | 398.8x196.9x197.2 | 3 | 398.8 | 196.9 | 197.2 | 37345 | 1769.8 | 207.5 | 13395 | 5.6 | |
| Specifications as Per ASTM C129 | | | | | | --- | Lightweight Less Than (1680) Medium Weight(1680to2000) Normal Weight(2000)or more | --- | --- | Min (3.45) | Min (4.14) |
| | | | | | | | Medium weight Block | | | Comply | Comply |

*Notes:*

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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000440 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | n.p | **Sample No.** | JH.MMS25000092 |
| **Project No.** | n.p | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | 8Hollow Block (40cm,20cm,20cm) Non Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | No. | **Date Tested** | 30/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption kg/m3 | Average |
|---|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | | |
| Hollow Block | 1 | 399.3 | 196.9 | 197.1 | 13512 | 14446 | 138.7 | 149.4 |
| | 2 | 399.2 | 197.2 | 197.1 | 13098 | 14101 | 165.9 | |
| | 3 | 398.8 | 196.9 | 197.2 | 13395 | 14291 | 143.5 | |

***Notes:***

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APP: R.Moursi

# Concrete Blocks Test Report

| | | | |
|---|---|---|---|
| Client | Industrial Development Construction Company | Report No. | JH.MMR25000443 |
| Contractor | Industrial Development Construction Company | Date Reported | 14-Jan-2025 |
| Consultant | n.p | Sample No. | JH.MMS25000093 |
| Project No. | n.p | Request No. | JH.MMO25000082 |
| Project Name | Privet | Client Reference | N.P. |
| Client's Rep | n.p | Consultant's Rep | N.P. |

| | | | |
|---|---|---|---|
| Sample Description | Solid Block (40cm,20cm,25cm) Load Bearing | Sampled By | CLIENT'S REP. |
| Source | Industrial Development Construction Company | Sample Brt. In By | CLIENT'S REP. |
| Test Method | ASTM C140-22 | Sampling Date | 24-Dec-2024 |
| Test Method Var. | No. | Date Received | 24-Dec-2024 |
| Tested By | Aces | Date Tested | 30-Dec-2024 |
| Lab. Address | Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA | | |

**Dimensions:**

| Type | Size | Block No. | Dimensions | | | | |
|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | Web (mm) | Face (mm) |
| Solid Block | 398.4x249.5x199.2 | 1 | 398.4 | 249.5 | 199.2 | - | - |
| | 398.9x249.4x199.2 | 2 | 398.9 | 249.4 | 199.2 | - | - |
| | 398.5x249.5x199.4 | 3 | 398.5 | 249.5 | 199.4 | - | - |
| Specifications as Per ASTM C90 | | | 400±3.2 mm | 250±3.2 mm | 200±3.2 mm | - | - |
| | | | Comply | | | - | - |

**Test Results by Measured Dimensions:**

| Type | Size | Block No. | Dimensions | | | Net Area ($mm^2$) | Dry Density ($Kg/m^3$) | Maximum Load KN | Weight (g) | Compressive Strength (Individual) (Mpa) | Average Compressive Strength (Mpa) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length (mm) | Width (mm) | Height (mm) | | | | | | |
| Solid Block | 398.4x249.5x199.2 | 1 | 398.4 | 249.5 | 199.2 | 78525 | 2026.2 | 1174.8 | 32017 | 15.0 | 14.8 |
| | 398.9x249.4x199.2 | 2 | 398.9 | 249.4 | 199.2 | 85730 | 2018.1 | 1105.0 | 34984 | 12.9 | |
| | 398.5x249.5x199.4 | 3 | 398.5 | 249.5 | 199.4 | 84280 | 1987.5 | 1397.4 | 33762 | 16.6 | |
| Specifications as Per ASTM C90 | | | | | | --- | Lightweight Less Than (1680)<br>Medium Weight(1680to2000)<br>Normal Weight(2000)or more | --- | --- | Min 12.4 | Min 13.8 |
| | | | | | | | Normal weight Block | | | Comply | Comply |

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## Concrete Block Test Report For Water Absorption

| | | | |
|---|---|---|---|
| **Client** | Industrial Development Construction Company | **Report No.** | JH.MMR25000443 |
| **Contractor** | Industrial Development Construction Company | **Date Reported** | 14/01/2025 |
| **Consultant** | n.p | **Sample No.** | JH.MMS25000093 |
| **Project No.** | n.p | **Request No.** | JH.MMO25000082 |
| **Project Name** | Privet | **Client Reference** | N.P. |

| | | | |
|---|---|---|---|
| **Sample Description** | Solid Block (40cm,20cm,25cm) Load Bearing | **Sampled By** | CLIENT'S REP. |
| **Source** | Industrial Development Construction Company | **Sample Brt. In By** | CLIENT'S REP. |
| **Test Method** | ASTM C140-22 | **Date Received** | 24/12/2024 |
| **Tested By** | No. | **Date Tested** | 30/12/2024 |
| **Lab. Address** | **Building No. 115, Al Imam Al Bukhari Street, Al Basateen District, Jeddah, KSA** | | |

**Test Results Of Water Absorption:**

| Type | Block No. | Dimensions | | | | | Water Absorption kg/m3 | Average |
|---|---|---|---|---|---|---|---|---|
| | | Length (mm) | Width (mm) | Height (mm) | Dry Wg. | SSD Wg. | | |
| Solid Block | 1 | 398.4 | 249.5 | 199.2 | 32017 | 33421 | 101.9 | 80.6 |
| | 2 | 398.9 | 249.4 | 199.2 | 34984 | 35812 | 70.6 | |
| | 3 | 398.5 | 249.5 | 199.4 | 33762 | 34671 | 69.4 | |
| Specifications as Per ASTM C90 | | | | | | | Max 240 | Max 208 |
| | | | | | | | Comply | Comply |

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