



معمل اختبار المواد  
Materials Testing Lab

Your Ref. Date : 18/08/2022

Applicant :

شركة كابيتال هاوس.

Lab. Ref. No. : MTL/ 1435-1 / 2022

Specimens :

عدد (3) عينات انترلوك مستطيل مقاس 6\*10\*20 سم موردة بمعرفة العميل.

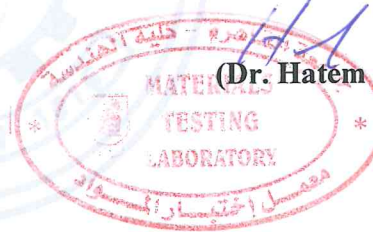
Date : 21/8/2022

**RESULTS OF COMPRESSION & DIMENSIONS TEST**

| No. | Weight | Average Measured Dimensions |            |             | Area               | Crushing Load | Compressive Strength (kg/cm <sup>2</sup> ) | REMARKS              |
|-----|--------|-----------------------------|------------|-------------|--------------------|---------------|--|----------------------|
|     | (g)    | Length (mm)                 | Width (mm) | Height (mm) | (cm <sup>2</sup> ) | (kg)          |  |                      |
| 1   | 2715   | 200                         | 100        | 60          | 200                | 42538         | 212.69                                     | انترلوك مستطيل رمادي |
| 2   | 2735   | 200                         | 100        | 60          | 200                | 68593         | 342.97                                     |                      |
| 3   | 2710   | 200                         | 100        | 60          | 200                | 53038         | 265.19                                     |                      |

Head of Materials Testing Lab

(Dr. Hatem Hassan Ali Ibrahim)





Your Ref. Date : 18/08/2022 Applicant : شركة كابتال هاوس.  
Lab. Ref. No. : MTL/ 1435-2 / 2022 Specimens : عدد (3) عينات انترلوك سداسى سمك 8 سم رمادى موردة بمعرفة العميل.  
Date : 21/8/2022

### RESULTS OF COMPRESSION & DIMENSIONS TEST

| No. | Weight | Average Measured Dimensions |                   | Area = 2.598<br>L <sup>2</sup> | Crushing<br>Load | Compressive<br>Strength | REMARKS             |
|-----|--------|-----------------------------|-------------------|--------------------------------|------------------|-------------------------|---------------------|
|     | (g)    | Length<br>(mm)              | Thickness<br>(mm) | (cm <sup>2</sup> )             | (kg)             | (kg/cm <sup>2</sup> )   |                     |
| 1   | 5710   | 114                         | 79                | 337.64                         | 31845            | 94.32                   | انترلوك سداسى رمادى |
| 2   | 5690   | 114                         | 78                | 337.64                         | 28502            | 84.41                   |                     |
| 3   | 5715   | 114                         | 79                | 337.64                         | 47044            | 139.33                  |                     |

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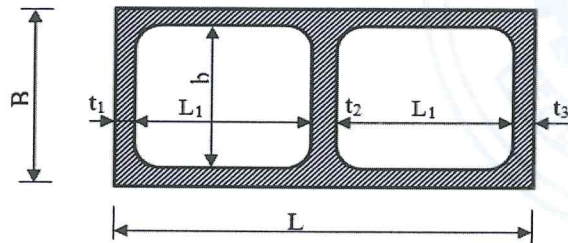


Your Ref. Date : 18/08/2022  
Lab. Ref. No. : MTL/ 1435-3 / 2022  
Date : 21/8/2022

Applicant : شركة كابيتال هاوس.  
Specimens : عدد (3) عينات بلوكات خرسانية مفرغة مقاس 20\*25\*40 سم  
موردة بمعرفة العميل.

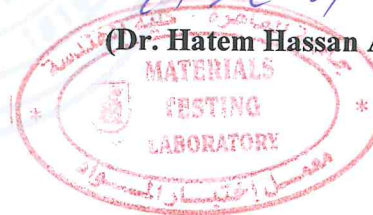
### RESULTS OF COMPRESSION TEST

| Sp. No. | Nominal Dimensions (cm) | Weight (kg) | Average Measured Dimensions of Cross Section (mm) |                |                |     |                |     |     | Height (mm) | Net Cross Sectional Area (cm <sup>2</sup> ) | Crushing Load (kg) | Net Area Compressive Strength (kg/cm <sup>2</sup> ) | Remarks              |
|---------|-------------------------|-------------|---|----------------|----------------|-----|----------------|-----|-----|-------------|---|--------------------|---|----------------------|
|         |                         |             | t <sub>1</sub>                                    | t <sub>2</sub> | t <sub>3</sub> | b   | L <sub>1</sub> | L   | B   |             |   |                    |   |                      |
| 1       | 40 * 25 * 20            | 21.720      | 25  | 30             | 25             | 190 | 155            | 395 | 245 | 200         | 378.75                                      | 21000              | 55.4  | بلوكات خرسانية مفرغة |
| 2       | 40 * 25 * 20            | 21.990      | 25  | 30             | 25             | 190 | 155            | 395 | 245 | 198         | 378.75                                      | 38000              | 100.3   |                      |
| 3       | 40 * 25 * 20            | 22.010      | 25  | 30             | 25             | 190 | 155            | 395 | 245 | 200         | 378.75                                      | 28000              | 73.9  |                      |



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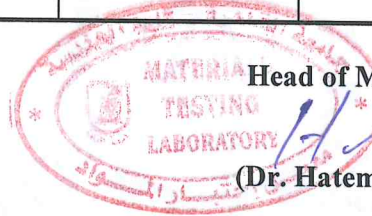




Your Ref. Date : 18/08/2022 Applicant : شركة كابيتال هاوس.  
Lab. Ref. No. : MTL/ 1435-4 / 2022 Specimens : عدد (3) عينات انترلوك مستطيل مفاص 6\*10\*20 سم موردة بمعرفة العميل.  
Date : 22/8/2022

### RESULTS OF WATER ABSORPTION TEST

| NO | Weight of Oven-Dry Specimen | Weight of Saturated Specimen with Water | Absorption | REMARKS              |
|----|-----------------------------|---|------------|----------------------|
|    | (g)                         | (g)                                     | (%)        |                      |
| 1  | 2711                        | 2829                                    | 4.35       | انترلوك مستطيل رمادى |
| 2  | 2693                        | 2813                                    | 4.46       |                      |
| 3  | 2698                        | 2811                                    | 4.19       |                      |



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Your Ref. Date : 18/08/2022 Applicant : شركة كابيتال هاوس.  
Lab. Ref. No. : MTL/ 1435-5 / 2022 Specimens : عدد (3) عينات انترلوك سداسى سمك 8 سم رمادى موردة بمعرفة العميل.  
Date : 22/8/2022

### RESULTS OF WATER ABSORPTION TEST

| NO | Weight of Oven-Dry Specimen | Weight of Saturated Specimen with Water | Absorption | REMARKS             |
|----|-----------------------------|---|------------|---------------------|
|    | (g)                         | (g)                                     | (%)        |                     |
| 1  | 5641                        | 5985                                    | 6.10       | انترلوك سداسى رمادى |
| 2  | 5649                        | 5999                                    | 6.20       |                     |
| 3  | 5588                        | 5945                                    | 6.39       |                     |



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Your Ref. Date : 18/08/2022

Applicant :

شركة كابيتال هاوس.

Lab. Ref. No. : MTL/ 1435-6 / 2022

Specimens :

عدد (3) عينات بلوكات خرسانية مفرغة مقاس 20\*25\*40 سم

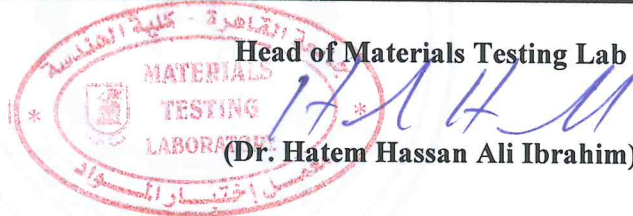
Date : 22/8/2022

موردة بمعرفة العميل.

### RESULTS OF WATER ABSORPTION TEST

| NO | Weight of Oven-Dry Specimen | Weight of Saturated Specimen with Water | Absorption | REMARKS              |
|----|-----------------------------|---|------------|----------------------|
|    | (g)                         | (g)                                     | (%)        |                      |
| 1  | 23440                       | 24760                                   | 5.63       | بلوكات خرسانية مفرغة |
| 2  | 21460                       | 22680                                   | 5.68       |                      |
| 3  | 22540                       | 23900                                   | 6.03       |                      |

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Your Ref. Date : 18/08/2022  
Lab. Ref. No. : MTL/ 1435-7 / 2022  
Date : 22/8/2022

Applicant : شركة كابيتال هاوس.  
Specimens : عدد (3) عينات انترلوك مستطيل مقاس 6\*10\*20 سم موردة بمعرفة العميل.

### RESULTS OF ABRASION TEST

| No. | Weight Before Abrasion | Weight After Abrasion | Dimensions |        |        | Loss in Weight | Loss in Thickness | REMARKS              |
|-----|------------------------|-----------------------|------------|--------|--------|----------------|-------------------|----------------------|
|     | (gm)                   | (gm)                  | L (mm)     | W (mm) | t (mm) | (gm)           | (mm)              |                      |
| 1   | 361.6                  | 349.0                 | 56         | 52     | 60     | 12.6           | 2.09              | انترلوك مستطيل رمادى |
| 2   | 370.8                  | 355.8                 | 55         | 53     | 61     | 15             | 2.47              |                      |
| 3   | 352.0                  | 339.3                 | 51         | 51     | 60     | 12.7           | 2.16              |                      |

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