### Production Dimensions
- **Width**: 1220 mm
- **Height**: 230 mm

### Own Weight
- **Own weight per linear metre**: 477.84 kg/m

### Thickness of Panel - mm
- Area: mm²
- Centroid: mm
- Moments of Inertia: mm⁴
- Radii of Gyration: mm

<table>
<thead>
<tr>
<th>Thickness of Panel</th>
<th>Area (mm²)</th>
<th>Centroid X (mm)</th>
<th>Moments of Inertia I (mm⁴)</th>
<th>Radii of Gyration J (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>203889</td>
<td>610</td>
<td>1.12x10⁵</td>
<td>7.42</td>
</tr>
</tbody>
</table>

### Span | Safe Load | Max. Safe Shear
---|----------|----------------|
2.50m (8.20ft) | 6797.88kg/m² (1392.20lbs/ft²) | 10.20Ton. per Panel |
2.75m (9.02ft) | 6143.69kg/m² (1258.23lbs/ft²) | 10.14Ton. per Panel |
3.00m (9.84ft) | 5598.53kg/m² (1146.58lbs/ft²) | 10.08Ton. per Panel |
3.25m (10.66ft) | 5137.24kg/m² (1052.11lbs/ft²) | 10.02Ton. per Panel |
3.50m (11.48ft) | 4741.85kg/m² (971.13lbs/ft²) | 9.96Ton. per Panel |
3.75m (12.30ft) | 4399.18kg/m² (900.95lbs/ft²) | 9.90Ton. per Panel |
4.00m (13.12ft) | 4099.35kg/m² (839.55lbs/ft²) | 9.84Ton. per Panel |
4.25m (13.94ft) | 3823.69kg/m² (783.09lbs/ft²) | 9.78Ton. per Panel |
4.50m (14.76ft) | 3367.62kg/m² (689.69lbs/ft²) | 9.72Ton. per Panel |
4.75m (15.58ft) | 2981.65kg/m² (610.64lbs/ft²) | 9.66Ton. per Panel |
5.00m (16.40ft) | 2652.11kg/m² (543.15lbs/ft²) | 9.60Ton. per Panel |
5.25m (17.23ft) | 2368.52kg/m² (485.07lbs/ft²) | 9.54Ton. per Panel |
5.50m (18.05ft) | 2122.72kg/m² (434.73lbs/ft²) | 9.48Ton. per Panel |
5.75m (18.87ft) | 1908.27kg/m² (390.81lbs/ft²) | 9.42Ton. per Panel |
6.00m (19.69ft) | 1720.07kg/m² (352.27lbs/ft²) | 9.36Ton. per Panel |
6.25m (20.51ft) | 1554.00kg/m² (318.26lbs/ft²) | 9.30Ton. per Panel |
6.50m (21.33ft) | 1406.72kg/m² (288.10lbs/ft²) | 9.24Ton. per Panel |
6.75m (22.15ft) | 1275.50kg/m² (261.22lbs/ft²) | 9.18Ton. per Panel |
7.00m (22.97ft) | 1158.08kg/m² (237.17lbs/ft²) | 9.12Ton. per Panel |
7.25m (23.79ft) | 1052.60kg/m² (215.57lbs/ft²) | 9.06Ton. per Panel |
7.50m (24.61ft) | 957.49kg/m² (196.09lbs/ft²) | 9.00Ton. per Panel |
7.75m (25.43ft) | 871.44kg/m² (178.47lbs/ft²) | 8.94Ton. per Panel |

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**Ballut Blocks Services Ltd.**

WIED FILEP L/o NAXXAR - MALTA.

Tel: 21572666, 21573093, 21487738
Fax: 21575562
Email: ballut@maltanet.net
PRECAST PRESTRESSED CONCRETE PANELS - SAFE LOAD TABLES

<table>
<thead>
<tr>
<th>SPAN</th>
<th>SAFE LOAD</th>
<th>MAX. SAFE SHEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00m (26.25ft)</td>
<td>793.33kg/m² (162.47lbs/ft²)</td>
<td>8.88Ton. per Panel</td>
</tr>
<tr>
<td>8.25m (27.07ft)</td>
<td>722.21kg/m² (147.91lbs/ft²)</td>
<td>8.82Ton. per Panel</td>
</tr>
<tr>
<td>8.50m (27.89ft)</td>
<td>657.27kg/m² (134.61lbs/ft²)</td>
<td>8.76Ton. per Panel</td>
</tr>
<tr>
<td>8.75m (28.71ft)</td>
<td>597.82kg/m² (122.43lbs/ft²)</td>
<td>8.70Ton. per Panel</td>
</tr>
<tr>
<td>9.00m (29.53ft)</td>
<td>543.25kg/m² (111.26lbs/ft²)</td>
<td>8.64Ton. per Panel</td>
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<tr>
<td>9.25m (30.35ft)</td>
<td>493.05kg/m² (100.98lbs/ft²)</td>
<td>8.58Ton. per Panel</td>
</tr>
<tr>
<td>9.50m (31.17ft)</td>
<td>446.76kg/m² (91.50lbs/ft²)</td>
<td>8.52Ton. per Panel</td>
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<tr>
<td>9.75m (31.99ft)</td>
<td>403.98kg/m² (82.74lbs/ft²)</td>
<td>8.46Ton. per Panel</td>
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<tr>
<td>10.00m (32.81ft)</td>
<td>364.38kg/m² (74.62lbs/ft²)</td>
<td>8.40Ton. per Panel</td>
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<tr>
<td>10.25m (33.63ft)</td>
<td>327.63kg/m² (67.10lbs/ft²)</td>
<td>8.35Ton. per Panel</td>
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<tr>
<td>10.50m (34.45ft)</td>
<td>293.48kg/m² (60.10lbs/ft²)</td>
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<tr>
<td>10.75m (35.27ft)</td>
<td>261.68kg/m² (53.59lbs/ft²)</td>
<td>8.23Ton. per Panel</td>
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<tr>
<td>11.00m (36.09ft)</td>
<td>232.03kg/m² (47.52lbs/ft²)</td>
<td>8.17Ton. per Panel</td>
</tr>
<tr>
<td>11.25m (36.91ft)</td>
<td>204.33kg/m² (41.85lbs/ft²)</td>
<td>8.11Ton. per Panel</td>
</tr>
</tbody>
</table>
### Production Dimensions

- **Width:** 1220mm
- **Height:** 280mm

### Own Weight

- Own weight per linear metre: 537.52 kg/ m

### Safe Load Tables

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>Safe Load (kg/m²)</th>
<th>Max. Safe Shear (Ton. per Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50m</td>
<td>8308.06kg/m² 2</td>
<td>12.46 Ton. per Panel</td>
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<tr>
<td>2.75m</td>
<td>7512.06kg/m² 2</td>
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<td>3.00m</td>
<td>6848.73kg/m² 2</td>
<td>12.33 Ton. per Panel</td>
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<td>3.25m</td>
<td>6327.00kg/m² 2</td>
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<tr>
<td>3.50m</td>
<td>5806.35kg/m² 2</td>
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<tr>
<td>3.75m</td>
<td>5389.39kg/m² 2</td>
<td>12.13 Ton. per Panel</td>
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<td>4.00m</td>
<td>5024.56kg/m² 2</td>
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<tr>
<td>4.25m</td>
<td>4702.65kg/m² 2</td>
<td>11.99 Ton. per Panel</td>
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<tr>
<td>4.50m</td>
<td>4416.50kg/m² 2</td>
<td>11.92 Ton. per Panel</td>
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<tr>
<td>4.75m</td>
<td>4160.48kg/m² 2</td>
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<td>5.00m</td>
<td>3930.06kg/m² 2</td>
<td>11.79 Ton. per Panel</td>
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<td>5.25m</td>
<td>3721.58kg/m² 2</td>
<td>11.72 Ton. per Panel</td>
</tr>
<tr>
<td>5.50m</td>
<td>3532.06kg/m² 2</td>
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<td>5.75m</td>
<td>3359.02kg/m² 2</td>
<td>11.59 Ton. per Panel</td>
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<tr>
<td>6.00m</td>
<td>3200.39kg/m² 2</td>
<td>11.52 Ton. per Panel</td>
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<tr>
<td>6.25m</td>
<td>2972.84kg/m² 2</td>
<td>11.45 Ton. per Panel</td>
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<tr>
<td>6.50m</td>
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<td>6.75m</td>
<td>2484.82kg/m² 2</td>
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</tr>
<tr>
<td>7.00m</td>
<td>2279.08kg/m² 2</td>
<td>11.25 Ton. per Panel</td>
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<tr>
<td>7.25m</td>
<td>2094.25kg/m² 2</td>
<td>11.19 Ton. per Panel</td>
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<tr>
<td>7.50m</td>
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<td>11.12 Ton. per Panel</td>
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<td>7.75m</td>
<td>1776.81kg/m² 2</td>
<td>11.05 Ton. per Panel</td>
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<tr>
<td>8.00m</td>
<td>1639.94kg/m² 2</td>
<td>10.98 Ton. per Panel</td>
</tr>
<tr>
<td>8.25m</td>
<td>1515.32kg/m² 2</td>
<td>10.92 Ton. per Panel</td>
</tr>
</tbody>
</table>

### Precautionary Measures

- MAX. SAFE SHEAR:
  - X = 91.96
  - Y = 343.51

### Additional Information

- **Thickness of Panel:** mm
- **Area:** mm²
- **Centroid:** mm
- **Moments of Inertia:** mm⁴
- **Radii of Gyration:** mm

**Date Issued:** September 2005

**Ballut Blocks Services Ltd.**

*Tel: 21572666, 21573093, 21487738
Fax: 21575562
Email: ballut@maltanet.net*
## Production Dimensions

<table>
<thead>
<tr>
<th>SPAN (ft)</th>
<th>Safe Load (kg/m²) (lbs/ft²)</th>
<th>Max. Safe Shear (Ton. per Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.50 (27.89)</td>
<td>1401.53 (287.03)</td>
<td>10.85</td>
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<tr>
<td>8.75 (28.71)</td>
<td>1297.35 (265.70)</td>
<td>10.78</td>
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<tr>
<td>9.00 (29.53)</td>
<td>1201.74 (246.12)</td>
<td>10.72</td>
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<tr>
<td>9.25 (30.35)</td>
<td>1113.77 (228.10)</td>
<td>10.65</td>
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<tr>
<td>9.50 (31.17)</td>
<td>1032.66 (211.49)</td>
<td>10.58</td>
</tr>
<tr>
<td>9.75 (31.99)</td>
<td>957.71 (196.14)</td>
<td>10.51</td>
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<td>10.00 (32.81)</td>
<td>888.30 (181.92)</td>
<td>10.45</td>
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<td>10.25 (33.63)</td>
<td>823.91 (168.74)</td>
<td>10.38</td>
</tr>
<tr>
<td>10.50 (34.45)</td>
<td>764.07 (156.48)</td>
<td>10.31</td>
</tr>
<tr>
<td>10.75 (35.27)</td>
<td>708.35 (145.07)</td>
<td>10.24</td>
</tr>
<tr>
<td>11.00 (36.09)</td>
<td>656.39 (134.43)</td>
<td>10.18</td>
</tr>
<tr>
<td>11.25 (36.91)</td>
<td>607.86 (124.49)</td>
<td>10.11</td>
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<tr>
<td>11.50 (37.73)</td>
<td>562.45 (115.19)</td>
<td>10.04</td>
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<td>480.01 (98.31)</td>
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<td>12.25 (40.19)</td>
<td>442.52 (90.63)</td>
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<tr>
<td>12.50 (41.01)</td>
<td>407.26 (83.41)</td>
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<tr>
<td>12.75 (41.83)</td>
<td>374.05 (76.60)</td>
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<tr>
<td>13.00 (42.65)</td>
<td>342.74 (70.19)</td>
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<tr>
<td>13.25 (43.47)</td>
<td>313.18 (64.14)</td>
<td>9.57</td>
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<tr>
<td>13.50 (44.29)</td>
<td>285.25 (58.42)</td>
<td>9.51</td>
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<tr>
<td>13.75 (45.11)</td>
<td>258.83 (53.01)</td>
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<td>14.00 (45.93)</td>
<td>233.82 (47.89)</td>
<td>9.37</td>
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<tr>
<td>14.25 (46.75)</td>
<td>210.11 (43.03)</td>
<td>9.30</td>
</tr>
</tbody>
</table>

**Max. Safe Shear**

- X - 610
- Y - 136
- J - 2.88

**Safe Load**

Own weight per linear metre 537.52 kg/ l.m
# Precast Prestressed Concrete Panels - Safe Load Tables

**Production Dimensions**
- **Width**: 1220mm
- **Height**: 350mm

**Own Weight**
- Own weight per linear metre: 696.36 kg/l.m

## Table

<table>
<thead>
<tr>
<th>Thickness of Panel - mm</th>
<th>Area (m²)</th>
<th>Centroid (mm)</th>
<th>Moments of Inertia (mm⁴)</th>
<th>Radii of Gyration (mm)</th>
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</thead>
<tbody>
<tr>
<td>350</td>
<td>287848</td>
<td>X - 610 Y - 170</td>
<td>I - 3.70x10⁵ J - 3.39x10⁴</td>
<td>X - 113.29 Y - 343.05</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Span</th>
<th>Safe Load (kg/m²)</th>
<th>Max. Safe Shear (Ton. per Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50m (8.20ft)</td>
<td>11085.95</td>
<td>16.63 Ton. per Panel</td>
</tr>
<tr>
<td>2.75m (9.02ft)</td>
<td>10025.38</td>
<td>16.54 Ton. per Panel</td>
</tr>
<tr>
<td>3.00m (9.84ft)</td>
<td>9141.58</td>
<td>16.45 Ton. per Panel</td>
</tr>
<tr>
<td>3.25m (10.66ft)</td>
<td>8393.74</td>
<td>16.37 Ton. per Panel</td>
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<tr>
<td>3.50m (11.48ft)</td>
<td>7752.74</td>
<td>16.28 Ton. per Panel</td>
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<td>3.75m (12.30ft)</td>
<td>7197.20</td>
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<tr>
<td>4.00m (13.12ft)</td>
<td>6711.11</td>
<td>16.11 Ton. per Panel</td>
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<td>4.50m (14.76ft)</td>
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<td>15.93 Ton. per Panel</td>
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<td>5559.83</td>
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<td>4342.35</td>
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<td>14.80 Ton. per Panel</td>
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<tr>
<td>8.00m (26.25ft)</td>
<td>1746.42</td>
<td>14.71 Ton. per Panel</td>
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</tbody>
</table>
### Precast Prestressed Concrete Panels - Safe Load Tables

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>Safe Load (kg/m²)</th>
<th>Max. Safe Shear (Ton. per Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.25 (27.07')</td>
<td>1607.54</td>
<td>14.63</td>
</tr>
<tr>
<td>8.50 (27.89')</td>
<td>1480.74</td>
<td>14.54</td>
</tr>
<tr>
<td>8.75 (28.71')</td>
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<td>14.45</td>
</tr>
<tr>
<td>9.00 (29.53')</td>
<td>1258.09</td>
<td>14.37</td>
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<td>9.25 (30.35')</td>
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<td>770.36</td>
<td>13.84</td>
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<td>10.75 (35.27')</td>
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<td>13.76</td>
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<td>13.67</td>
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<td>12.97</td>
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<td>12.89</td>
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<td>13.50 (44.29')</td>
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<td>12.80</td>
</tr>
<tr>
<td>13.75 (45.11')</td>
<td>207.32</td>
<td>12.71</td>
</tr>
</tbody>
</table>

**Production Dimensions**
- Width: 1220mm
- Height: 350mm

**Own Weight**
- Own weight per linear metre: 696.36 kg/ l.m
### Precast Prestressed Concrete Panels - Safe Load Tables

#### Production Dimensions
- **Width**: 1220mm
- **Height**: 380 mm

#### Own Weight
- Own weight per linear metre: 753.36 kg/Lm

#### Max. Safe Shear

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>Safe Load (kg/m²)</th>
<th>Max. Safe Shear (Ton. per Panel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50m (8.20ft)</td>
<td>12549.01kg/m² (2570.04lbs/ft²)</td>
<td>18.82</td>
</tr>
<tr>
<td>2.75m (9.02ft)</td>
<td>11351.12kg/m² (2324.71lbs/ft²)</td>
<td>18.73</td>
</tr>
<tr>
<td>3.00m (9.84ft)</td>
<td>10352.88kg/m² (2120.27lbs/ft²)</td>
<td>18.64</td>
</tr>
<tr>
<td>3.25m (10.66ft)</td>
<td>9508.21kg/m² (1947.28lbs/ft²)</td>
<td>18.54</td>
</tr>
<tr>
<td>3.50m (11.48ft)</td>
<td>8784.21kg/m² (1799.01lbs/ft²)</td>
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<tr>
<td>3.75m (12.30ft)</td>
<td>8156.74kg/m² (1670.50lbs/ft²)</td>
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<tr>
<td>4.00m (13.12ft)</td>
<td>7607.71kg/m² (1558.06lbs/ft²)</td>
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</tr>
<tr>
<td>4.25m (13.94ft)</td>
<td>7123.27kg/m² (1458.85lbs/ft²)</td>
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<td>4.50m (14.76ft)</td>
<td>6692.65kg/m² (1370.66lbs/ft²)</td>
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<tr>
<td>4.75m (15.58ft)</td>
<td>6307.37kg/m² (1291.75lbs/ft²)</td>
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<td>5.00m (16.40ft)</td>
<td>5960.61kg/m² (1220.73lbs/ft²)</td>
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<td>5.25m (17.23ft)</td>
<td>5646.87kg/m² (1156.48lbs/ft²)</td>
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<td>5.50m (18.05ft)</td>
<td>5361.66kg/m² (1098.07lbs/ft²)</td>
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<td>6.25m (20.51ft)</td>
<td>4557.82kg/m² (933.44lbs/ft²)</td>
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<td>6.50m (21.33ft)</td>
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<td>3818.04kg/m² (781.93lbs/ft²)</td>
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<td>7.25m (23.79ft)</td>
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<td>7.50m (24.61ft)</td>
<td>2973.33kg/m² (608.94lbs/ft²)</td>
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<tr>
<td>7.75m (25.43ft)</td>
<td>2744.74kg/m² (562.12lbs/ft²)</td>
<td>16.85</td>
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<tr>
<td>8.00m (26.25ft)</td>
<td>2537.25kg/m² (519.63lbs/ft²)</td>
<td>16.75</td>
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<tr>
<td>8.25m (27.07ft)</td>
<td>2348.34kg/m² (480.94lbs/ft²)</td>
<td>16.66</td>
</tr>
<tr>
<td>8.50m (27.89ft)</td>
<td>2175.85kg/m² (445.61lbs/ft²)</td>
<td>16.56</td>
</tr>
<tr>
<td>8.75m (28.71ft)</td>
<td>2017.93kg/m² (413.27lbs/ft²)</td>
<td>16.47</td>
</tr>
</tbody>
</table>

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**BALLUT BLOCKS SERVICES LTD.**

Tel: 21572666, 21573093, 21487738
Fax: 21575562
Email: ballut@maltanet.net
### Precast Prestressed Concrete Panels - Safe Load Tables

**PRODUCTION DIMENSIONS**

- **Width:** 1220mm
- **Height:** 380mm

**OWN WEIGHT**

- Own weight per linear metre: 753.36 kg/1m

<table>
<thead>
<tr>
<th>Thickness of Panel (mm)</th>
<th>Area (mm²)</th>
<th>Centroid (mm)</th>
<th>Moments of Inertia (mm⁴)</th>
<th>Radii of Gyration (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>380</td>
<td>324161</td>
<td>X - 610, Y - 187</td>
<td>I = 4.83x10⁶, J = 3.77x10⁶</td>
<td>X - 122.02, Y - 340.85</td>
</tr>
</tbody>
</table>

**SPAN** | **SAFE LOAD** | **MAX. SAFE SHEAR**
--- | --- | ---
9.00m (29.53ft) | 1872.98kg/m² (383.59lbs/ft²) | 16.38Ton. per Panel
9.25m (30.35ft) | 1739.63kg/m² (356.28lbs/ft²) | 16.28Ton. per Panel
9.50m (31.17ft) | 1616.67kg/m² (331.09lbs/ft²) | 16.19Ton. per Panel
9.75m (31.99ft) | 1503.05kg/m² (307.82lbs/ft²) | 16.09Ton. per Panel
10.00m (32.18ft) | 1397.84kg/m² (286.28lbs/ft²) | 16.00Ton. per Panel
10.25m (33.63ft) | 1300.23kg/m² (266.29lbs/ft²) | 15.90Ton. per Panel
10.50m (34.45ft) | 1209.51kg/m² (247.71lbs/ft²) | 15.81Ton. per Panel
10.75m (35.27ft) | 1125.05kg/m² (230.41lbs/ft²) | 15.72Ton. per Panel
11.00m (36.09ft) | 1046.28kg/m² (214.28lbs/ft²) | 15.62Ton. per Panel
11.25m (36.91ft) | 972.70kg/m² (199.21lbs/ft²) | 15.53Ton. per Panel
11.50m (37.73ft) | 903.87kg/m² (185.11lbs/ft²) | 15.43Ton. per Panel
11.75m (38.55ft) | 839.39kg/m² (171.91lbs/ft²) | 15.34Ton. per Panel
12.00m (39.37ft) | 778.89kg/m² (159.52lbs/ft²) | 15.25Ton. per Panel
12.25m (40.19ft) | 722.06kg/m² (147.88lbs/ft²) | 15.15Ton. per Panel
12.50m (41.01ft) | 668.61kg/m² (136.93lbs/ft²) | 15.06Ton. per Panel
12.75m (41.83ft) | 618.27kg/m² (126.62lbs/ft²) | 14.96Ton. per Panel
13.00m (42.65ft) | 570.80kg/m² (116.90lbs/ft²) | 14.87Ton. per Panel
13.25m (43.47ft) | 526.00kg/m² (107.72lbs/ft²) | 14.77Ton. per Panel
13.50m (44.29ft) | 483.66kg/m² (99.05lbs/ft²) | 14.68Ton. per Panel
13.75m (45.11ft) | 443.61kg/m² (90.85lbs/ft²) | 14.59Ton. per Panel
14.00m (45.93ft) | 405.69kg/m² (83.09lbs/ft²) | 14.49Ton. per Panel
14.25m (46.75ft) | 369.75kg/m² (75.72lbs/ft²) | 14.40Ton. per Panel
14.50m (47.57ft) | 335.64kg/m² (68.74lbs/ft²) | 14.30Ton. per Panel
14.75m (48.39ft) | 303.26kg/m² (62.11lbs/ft²) | 14.21Ton. per Panel
15.00m (49.22ft) | 272.48kg/m² (55.80lbs/ft²) | 14.12Ton. per Panel
15.25m (50.04ft) | 243.21kg/m² (49.81lbs/ft²) | 14.02Ton. per Panel

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**Date Issued:** September 2005

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**Ballut Blocks Services Ltd.**

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<tr>
<th>SPAN</th>
<th>SAFE LOAD</th>
<th>MAX. SAFE SHEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50m (8.20ft)</td>
<td>15167.58kg/m² (3106.32lbs/ft²)</td>
<td>22.75Ton. per Panel</td>
</tr>
<tr>
<td>2.75m (9.02ft)</td>
<td>13722.97kg/m² (2810.46lbs/ft²)</td>
<td>22.64Ton. per Panel</td>
</tr>
<tr>
<td>3.00m (9.84ft)</td>
<td>12519.13kg/m² (2563.92lbs/ft²)</td>
<td>22.53Ton. per Panel</td>
</tr>
<tr>
<td>3.25m (10.66ft)</td>
<td>11500.49kg/m² (2355.30lbs/ft²)</td>
<td>22.43Ton. per Panel</td>
</tr>
<tr>
<td>3.50m (11.48ft)</td>
<td>10627.38kg/m² (2176.49lbs/ft²)</td>
<td>22.32Ton. per Panel</td>
</tr>
<tr>
<td>3.75m (12.30ft)</td>
<td>9870.68kg/m² (2021.51lbs/ft²)</td>
<td>22.21Ton. per Panel</td>
</tr>
<tr>
<td>4.00m (13.12ft)</td>
<td>9208.56kg/m² (1885.91lbs/ft²)</td>
<td>22.10Ton. per Panel</td>
</tr>
<tr>
<td>4.25m (13.94ft)</td>
<td>8624.35kg/m² (1766.27lbs/ft²)</td>
<td>21.99Ton. per Panel</td>
</tr>
<tr>
<td>4.50m (14.76ft)</td>
<td>8105.04kg/m² (1659.91lbs/ft²)</td>
<td>21.88Ton. per Panel</td>
</tr>
<tr>
<td>4.75m (15.58ft)</td>
<td>7640.40kg/m² (1564.75lbs/ft²)</td>
<td>21.78Ton. per Panel</td>
</tr>
<tr>
<td>5.00m (16.40ft)</td>
<td>7222.23kg/m² (1479.11lbs/ft²)</td>
<td>21.67Ton. per Panel</td>
</tr>
<tr>
<td>5.25m (17.23ft)</td>
<td>6843.88kg/m² (1401.63lbs/ft²)</td>
<td>21.56Ton. per Panel</td>
</tr>
<tr>
<td>5.50m (18.05ft)</td>
<td>6499.92kg/m² (1331.18lbs/ft²)</td>
<td>21.45Ton. per Panel</td>
</tr>
<tr>
<td>5.75m (18.87ft)</td>
<td>6185.88kg/m² (1266.87lbs/ft²)</td>
<td>21.34Ton. per Panel</td>
</tr>
<tr>
<td>6.00m (19.69ft)</td>
<td>5898.00kg/m² (1207.91lbs/ft²)</td>
<td>21.23Ton. per Panel</td>
</tr>
<tr>
<td>6.25m (20.51ft)</td>
<td>5633.16kg/m² (1153.67lbs/ft²)</td>
<td>21.12Ton. per Panel</td>
</tr>
<tr>
<td>6.50m (21.33ft)</td>
<td>5388.69kg/m² (1103.60lbs/ft²)</td>
<td>21.02Ton. per Panel</td>
</tr>
<tr>
<td>6.75m (22.15ft)</td>
<td>5162.32kg/m² (1057.24lbs/ft²)</td>
<td>20.91Ton. per Panel</td>
</tr>
<tr>
<td>7.00m (22.97ft)</td>
<td>4855.69kg/m² (994.44lbs/ft²)</td>
<td>20.80Ton. per Panel</td>
</tr>
<tr>
<td>7.25m (23.79ft)</td>
<td>4477.57kg/m² (917.01lbs/ft²)</td>
<td>20.69Ton. per Panel</td>
</tr>
<tr>
<td>7.50m (24.61ft)</td>
<td>4136.64kg/m² (847.18lbs/ft²)</td>
<td>20.58Ton. per Panel</td>
</tr>
<tr>
<td>7.75m (25.43ft)</td>
<td>3828.16kg/m² (784.01lbs/ft²)</td>
<td>20.47Ton. per Panel</td>
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<tr>
<td>8.00m (26.25ft)</td>
<td>3548.15kg/m² (726.66lbs/ft²)</td>
<td>20.37Ton. per Panel</td>
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<tr>
<td>8.25m (27.07ft)</td>
<td>3293.21kg/m² (674.45lbs/ft²)</td>
<td>20.26Ton. per Panel</td>
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<tr>
<td>8.50m (27.89ft)</td>
<td>3060.43kg/m² (626.78lbs/ft²)</td>
<td>20.15Ton. per Panel</td>
</tr>
<tr>
<td>8.75m (28.71ft)</td>
<td>2847.32kg/m² (583.13lbs/ft²)</td>
<td>20.04Ton. per Panel</td>
</tr>
<tr>
<td>9.00m (29.53ft)</td>
<td>2651.71kg/m² (543.07lbs/ft²)</td>
<td>19.93Ton. per Panel</td>
</tr>
<tr>
<td>9.25m (30.35ft)</td>
<td>2471.75kg/m² (506.22lbs/ft²)</td>
<td>19.82Ton. per Panel</td>
</tr>
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<td>9.50m (31.17ft)</td>
<td>2305.82kg/m² (472.23lbs/ft²)</td>
<td>19.71Ton. per Panel</td>
</tr>
<tr>
<td>9.75m (31.99ft)</td>
<td>2152.48kg/m² (440.83lbs/ft²)</td>
<td>19.61Ton. per Panel</td>
</tr>
</tbody>
</table>
### Table: Precast Prestressed Concrete Panels - Safe Load Tables

<table>
<thead>
<tr>
<th>SPAN</th>
<th>SAFE LOAD</th>
<th>MAX. SAFE SHEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00m (32.81ft)</td>
<td>2010.49kg/m² (411.75lbs/ft²)</td>
<td>19.50Ton. per Panel</td>
</tr>
<tr>
<td>10.25m (33.63ft)</td>
<td>1878.77kg/m² (384.77lbs/ft²)</td>
<td>19.39Ton. per Panel</td>
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<tr>
<td>10.50m (34.45ft)</td>
<td>1756.35kg/m² (359.70lbs/ft²)</td>
<td>19.28Ton. per Panel</td>
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<tr>
<td>10.75m (35.27ft)</td>
<td>1642.37kg/m² (336.36lbs/ft²)</td>
<td>19.17Ton. per Panel</td>
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<tr>
<td>11.00m (36.09ft)</td>
<td>1536.07kg/m² (314.59lbs/ft²)</td>
<td>19.06Ton. per Panel</td>
</tr>
<tr>
<td>11.25m (36.91ft)</td>
<td>1436.77kg/m² (294.25lbs/ft²)</td>
<td>18.95Ton. per Panel</td>
</tr>
<tr>
<td>11.50m (37.73ft)</td>
<td>1343.89kg/m² (275.23lbs/ft²)</td>
<td>18.85Ton. per Panel</td>
</tr>
<tr>
<td>11.75m (38.55ft)</td>
<td>1256.86kg/m² (257.41lbs/ft²)</td>
<td>18.74Ton. per Panel</td>
</tr>
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<td>12.00m (39.37ft)</td>
<td>1175.22kg/m² (240.69lbs/ft²)</td>
<td>18.63Ton. per Panel</td>
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<tr>
<td>12.25m (40.19ft)</td>
<td>1098.53kg/m² (224.98lbs/ft²)</td>
<td>18.52Ton. per Panel</td>
</tr>
<tr>
<td>12.50m (41.01ft)</td>
<td>1026.39kg/m² (210.21lbs/ft²)</td>
<td>18.41Ton. per Panel</td>
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<tr>
<td>12.75m (41.83ft)</td>
<td>958.46kg/m² (196.29lbs/ft²)</td>
<td>18.30Ton. per Panel</td>
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<tr>
<td>13.00m (42.65ft)</td>
<td>894.40kg/m² (183.17lbs/ft²)</td>
<td>18.20Ton. per Panel</td>
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<tr>
<td>13.25m (43.47ft)</td>
<td>833.94kg/m² (170.79lbs/ft²)</td>
<td>18.09Ton. per Panel</td>
</tr>
<tr>
<td>13.50m (44.29ft)</td>
<td>776.81kg/m² (159.09lbs/ft²)</td>
<td>17.98Ton. per Panel</td>
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<tr>
<td>13.75m (45.11ft)</td>
<td>722.76kg/m² (148.02lbs/ft²)</td>
<td>17.87Ton. per Panel</td>
</tr>
<tr>
<td>14.00m (45.93ft)</td>
<td>671.58kg/m² (137.54lbs/ft²)</td>
<td>17.76Ton. per Panel</td>
</tr>
<tr>
<td>14.25m (46.75ft)</td>
<td>623.07kg/m² (127.61lbs/ft²)</td>
<td>17.65Ton. per Panel</td>
</tr>
<tr>
<td>14.50m (47.57ft)</td>
<td>577.05kg/m² (118.18lbs/ft²)</td>
<td>17.54Ton. per Panel</td>
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<tr>
<td>14.75m (48.39ft)</td>
<td>533.35kg/m² (109.23lbs/ft²)</td>
<td>17.44Ton. per Panel</td>
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<tr>
<td>15.00m (49.22ft)</td>
<td>491.82kg/m² (100.72lbs/ft²)</td>
<td>17.33Ton. per Panel</td>
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<td>15.25m (50.04ft)</td>
<td>467.78kg/m² (97.64lbs/ft²)</td>
<td>17.22Ton. per Panel</td>
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<td>15.50m (50.86ft)</td>
<td>438.39kg/m² (89.78lbs/ft²)</td>
<td>17.11Ton. per Panel</td>
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<tr>
<td>15.75m (51.68ft)</td>
<td>401.81kg/m² (82.29lbs/ft²)</td>
<td>17.00Ton. per Panel</td>
</tr>
<tr>
<td>16.00m (52.50ft)</td>
<td>366.93kg/m² (75.15lbs/ft²)</td>
<td>16.89Ton. per Panel</td>
</tr>
<tr>
<td>16.25m (53.32ft)</td>
<td>333.65kg/m² (68.33lbs/ft²)</td>
<td>16.79Ton. per Panel</td>
</tr>
<tr>
<td>16.50m (54.14ft)</td>
<td>301.86kg/m² (61.82lbs/ft²)</td>
<td>16.68Ton. per Panel</td>
</tr>
<tr>
<td>16.75m (54.96ft)</td>
<td>271.50kg/m² (55.60lbs/ft²)</td>
<td>16.57Ton. per Panel</td>
</tr>
<tr>
<td>17.00m (55.78ft)</td>
<td>242.46kg/m² (49.66lbs/ft²)</td>
<td>16.46Ton. per Panel</td>
</tr>
<tr>
<td>17.25m (56.60ft)</td>
<td>214.67kg/m² (43.97lbs/ft²)</td>
<td>16.35Ton. per Panel</td>
</tr>
</tbody>
</table>

### Table: Dimensions

<table>
<thead>
<tr>
<th>Thickness of Panel (mm)</th>
<th>Area (mm²)</th>
<th>Centroid (mm)</th>
<th>Moments of Inertia (mm⁴)</th>
<th>Radii of Gyration (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>460</td>
<td>373993</td>
<td>X - 610</td>
<td>I - 8.27x10⁴</td>
<td>X - 148.68</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y - 231</td>
<td>J - 4.43x10⁴</td>
<td>Y - 344.17</td>
</tr>
</tbody>
</table>

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**Date Issued:** September 2005

**OWN WEIGHT**

Own weight per linear metre 867.74 kg/1.m

**PRODUCTION DIMENSIONS**

- **Width:** 1220mm
- **Height:** 460 mm

---

**PRECAST PRESTRESSED CONCRETE PANELS - SAFE LOAD TABLES**

---

**BALLUT BLOCKS SERVICES LTD.**

Tel: 21572666, 21573093, 21487738
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## Precast Prestressed Concrete Panels - Safe Load Tables

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<tr>
<th>SPAN</th>
<th>SAFE LOAD</th>
<th>MAX. SAFE SHEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.00m (19.69ft)</td>
<td>6697.70kg/m² (1351.21lbs/ft²)</td>
<td>23.75Ton. per Panel</td>
</tr>
<tr>
<td>7.00m (22.97ft)</td>
<td>5544.95kg/m² (1135.61lbs/ft²)</td>
<td>23.29Ton. per Panel</td>
</tr>
<tr>
<td>8.00m (26.25ft)</td>
<td>4755.38kg/m² (973.90lbs/ft²)</td>
<td>22.83Ton. per Panel</td>
</tr>
<tr>
<td>9.00m (29.58ft)</td>
<td>4141.27kg/m² (848.13lbs/ft²)</td>
<td>22.36Ton. per Panel</td>
</tr>
<tr>
<td>10.00m (32.81ft)</td>
<td>3649.99kg/m² (747.52lbs/ft²)</td>
<td>21.90Ton. per Panel</td>
</tr>
<tr>
<td>11.00m (36.09ft)</td>
<td>3248.02kg/m² (665.20lbs/ft²)</td>
<td>21.44Ton. per Panel</td>
</tr>
<tr>
<td>12.00m (39.37ft)</td>
<td>2913.06kg/m² (596.59lbs/ft²)</td>
<td>20.97Ton. per Panel</td>
</tr>
<tr>
<td>13.00m (42.65ft)</td>
<td>2630.00kg/m² (543.00lbs/ft²)</td>
<td>20.51Ton. per Panel</td>
</tr>
<tr>
<td>14.00m (45.93ft)</td>
<td>2386.60kg/m² (488.79lbs/ft²)</td>
<td>20.05Ton. per Panel</td>
</tr>
<tr>
<td>15.00m (49.22ft)</td>
<td>2176.13kg/m² (445.67lbs/ft²)</td>
<td>19.59Ton. per Panel</td>
</tr>
<tr>
<td>16.00m (52.50ft)</td>
<td>1991.90kg/m² (407.94lbs/ft²)</td>
<td>19.12Ton. per Panel</td>
</tr>
<tr>
<td>17.00m (55.78ft)</td>
<td>1829.34kg/m² (374.65lbs/ft²)</td>
<td>18.66Ton. per Panel</td>
</tr>
<tr>
<td>18.00m (59.06ft)</td>
<td>1684.84kg/m² (345.06lbs/ft²)</td>
<td>18.20Ton. per Panel</td>
</tr>
<tr>
<td>19.00m (62.34ft)</td>
<td>1585.56kg/m² (318.58lbs/ft²)</td>
<td>17.73Ton. per Panel</td>
</tr>
<tr>
<td>20.00m (65.62ft)</td>
<td>1439.20kg/m² (294.75lbs/ft²)</td>
<td>17.27Ton. per Panel</td>
</tr>
<tr>
<td>21.00m (68.90ft)</td>
<td>1338.92kg/m² (273.19lbs/ft²)</td>
<td>16.81Ton. per Panel</td>
</tr>
<tr>
<td>22.00m (72.18ft)</td>
<td>1238.22kg/m² (253.59lbs/ft²)</td>
<td>16.34Ton. per Panel</td>
</tr>
<tr>
<td>23.00m (75.46ft)</td>
<td>1150.84kg/m² (235.69lbs/ft²)</td>
<td>15.88Ton. per Panel</td>
</tr>
<tr>
<td>24.00m (78.74ft)</td>
<td>1070.73kg/m² (219.29lbs/ft²)</td>
<td>15.42Ton. per Panel</td>
</tr>
<tr>
<td>25.00m (82.02ft)</td>
<td>997.04kg/m² (204.19lbs/ft²)</td>
<td>14.96Ton. per Panel</td>
</tr>
<tr>
<td>26.00m (85.31ft)</td>
<td>929.02kg/m² (190.26lbs/ft²)</td>
<td>14.49Ton. per Panel</td>
</tr>
<tr>
<td>27.00m (88.59ft)</td>
<td>866.03kg/m² (177.36lbs/ft²)</td>
<td>14.03Ton. per Panel</td>
</tr>
<tr>
<td>28.00m (91.87ft)</td>
<td>807.55kg/m² (165.39lbs/ft²)</td>
<td>13.57Ton. per Panel</td>
</tr>
</tbody>
</table>