BCA Carbon Calculator

💬 5 mins estimated time to complete

START

Read Instructions

Instructions

You will need to key in the following details as part of the materials declaration for the embodied carbon section in Green Mark. Please take a screenshot for Green Mark assessments.
1. Green Mark Reference No.
Key in the GM reference no.

2. Name of Project
Fill in the name of the project

3. Expected Date of Green Mark Assessment
Fill in the expected date of Green Mark Assessment

4. New / Existing Building
Indicate whether this is a new or existing building

5. Building Type
Please select from the list below.
Select the Building Type:
(a) Commercial
(b) Industrial
(c) Infrastructure
(d) Institution
(e) Mixed Residential
(f) Others
6. **Total GFA (m2)**
   Please key in the value.

7. **Concrete Usage Intensity (m3/m2) (optional)**
   Please key in the value. The formula is total concrete volume / total constructed floor area.

8. **Concrete Components**
   Please select the fill and add the quantities. You may add more rows if required.

   **Type of Concrete Component** | **Quantity (kg)**
   --- | ---
   (a) Admixture |  
   (b) Cement: Fly Ash |  
   (c) Cement: GGBS |  
   (d) Cement: Limestones |  
   (e) Cement: Limestones Fines |  
   (f) Cement: OPC |  
   (g) Coarse Aggregates: Granite |  
   (h) Coarse Aggregates: RCA |  
   (i) Fine Aggregates: Sand |  
   (j) Fine Aggregates: WCS |  
   (k) Water |  

   **Fill in the quantity in kg**

   **Add more rows if required**
### Natural Concrete

Please select the fill and add the quantities. You may add more rows if required.

<table>
<thead>
<tr>
<th>Concrete Grade</th>
<th>Quantity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select the Concrete Grade:
(a) Grade 20  
(b) Grade 25  
(c) Grade 30  
(d) Grade 35  
(e) Grade 40  
(f) Grade 50  
(g) Grade 80  
(h) Grade 100

Select either:
(a) Green / Eco Concrete Grade  
(b) GGBS/Fly Ash Replacement  
(c) Precast / Eco Concrete

### Green / Eco Concrete

Please select the fill and add the quantities. You may add more rows if required.

<table>
<thead>
<tr>
<th>Green / Eco Concrete Grade (optional)</th>
<th>GGBS/Fly Ash Replacement (optional)</th>
<th>Precast / Eco Concrete (optional)</th>
<th>Quantity (kg) (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1 out of max 11 rows)

Add more rows if required

Fill in the quantity in kg
### Steel

Please select the fill and add the quantities. You may add more rows if required.

<table>
<thead>
<tr>
<th>Types of Steel</th>
<th>Quantity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select the Steel Type:
(a) Primary Steel  
(b) Recycled Steel

**Add more rows if required**

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### Glass

Please select the fill and add the quantities. You may add more rows if required.

<table>
<thead>
<tr>
<th>Type of Glass</th>
<th>Quantity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select the Glass Type:
(a) Fibre Glass  
(b) Laminated Glass  
(c) Recycled Glass  
(d) Tempered or Toughened Glass

**Add more rows if required**

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### 13. Others

Please select the fill and add the quantities. You may add more rows if required.

<table>
<thead>
<tr>
<th>Type of Material</th>
<th>Quantity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If the material is not listed in this form, please fill up this section.

Select the other type of material:
(a) Aluminium  
(b) Bricks  
(c) Paint  
(d) Tiles  
(e) Timber

### 14. Additional Materials

Please select the fill and add the quantities. You may add more rows if required. This section may be filled in if the material is not listed elsewhere in the form.

<table>
<thead>
<tr>
<th>Name of Material</th>
<th>Quantity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If the material is not listed in this form, please fill up this section.
Enter your name, designation and company details

15. Name, Designation and Company
Please fill in your details below.

16. Declaration
Please acknowledge and check that all the inputs are keyed in are accurate.

I hereby confirm that the information provided herein is accurate, correct and complete. I will need to print or screenshot this input page and the confirmation page as PDF for Green Mark assessment.

Ensure all details are correct before submitting.

SUBMIT

Please upload your supporting documents in a zip file in our Green Mark Online under section 3.2c