

## Code for Sustainable Homes Pre Assessment Estimator Tool

This tool is distributed freely to customers and associates of BRE Global. If you experience problems or have questions relating to this tool please contact

[csh@bre.co.uk](mailto:csh@bre.co.uk)

### Background

Full Code for Sustainable Homes Technical Guidance can be downloaded from the Code for Sustainable Homes webpage at <http://www.communities.gov.uk/publications/planningandbuilding/codeguide>

### Introduction

The pre-assessment estimator tool allows an evaluation of the potential rating achievable under a formal Code for Sustainable Homes assessment for a single dwelling.

Several dwellings on the same site may achieve different levels and scores. Where designs show any changes in the way credits will be achieved, a new copy of the pre-assessment estimator should be used to indicate the possible score for each dwelling (or set of dwellings sharing exactly the same specifications).

### Instructions

#### 1.0 Open the tool and save a working document

- 1.1 The CSH Pre Assessment Estimator Tool can be downloaded by licensed assessors from the Code for Sustainable Homes folder of the BREEAM Extranet ([www.breeam.org/extranet](http://www.breeam.org/extranet)).
- 1.2 After downloading the file, open it and use the 'Save As' function of Excel to save the file in a location and with a name which clearly identifies it as being the CSH Pre Assessment Estimator Tool for the development and plots within that development that are being assessed.

#### 2.0 Entering the basic details and generic instructions

- 2.1 Click on the 'Results' tab and enter details of the:
  - 'Development Name'
  - 'Dwelling Description'

#### Save the file.

- 2.2 Generic instructions
  - Always read and follow indications that are in the text associated to each issue
  - The Code Technical Guide specifications always supersede the ones presented in this tool
  - Confirm that all the mandatory requirements have been met and that all the issues related to these are properly filled in, or the tool will not provide adequate assessments

#### 3.0 Entering the details required to pre assess the performance for a dwelling

- 3.1 For each of the Code Categories (identified in each of the tabs) work through the issues indicating the score or the options who are applicable and that you think will be achieved based on the information you have available for the development being pre assessed and the Code technical Guide requirements.
- 3.2 Where there is a calculator tool that can be used to determine credits eg Ene, Wat, Mat, Pol, Eco, mention the tool explaining that it can be used to calculate a predicted score to input into the Pre

Assessment Estimator.

- 3.3 For the mandatory requirements make sure that all applicable boxes have been ticked including predicted water and energy consumptions
- 3.4 Save the file at least everytime one of the category tabs have been filled in and a changing of tabs is to occur

#### 4.0 Understanding the spreadsheet headlines in each tab

- 4.1 In each tab headline there are 7 type of information displayed:
  - a) Category name
  - b) Attained Overall Level for the whole assessment
  - c) Attained Overall Score for the whole assessment
  - d) % of Section Credits Predicted: achievable credits within the current category
  - e) Contribution of the Category achievable credits to Overall Score
  - f) Credits: achievable credits of the category's available ones
  - g) Level: level attained in the current category

#### 5.0 Understanding and using the results

- 5.1 Click on the 'RESULTS' tab of the tool.
- 5.1 The overall Code Level Rating appears in 'PREDICTED RATING - CODE LEVEL:', below there is information on what if the mandatory requirements have or not being met. Next the % of attained points and again the overall code level for the dwelling. Last the breakdown in water and energy
- 5.2 In Graph 1 it is possible to view the individual contribution of each section to the overall score. Helps the assessor to identify areas that are scoring better and worst and therefore may need special interventions to raise credits and the overall rating.
- 5.3 In Graph 2 it is possible for the assessor to see how well a issue is scoring and how far is it from it's total possible score. This allows to predict areas which need to have more interventions to enhance scores.

**Don't forget to save your work when closing this spreadsheet!**

| Version | Date Added to Assessor Extranet | Changes Made  |
|---------|---------------------------------|---|
| Rev00   | 22/11/2010                      | First issue for Code November 2010 version launch.  |
| Rev01   | 29/11/2010                      | Corrected scoring with minimum mandatory standards and other text changes.  |
| Rev02   | 08/02/2011                      | Code level and minimum mandatory requirements not correct for Ene1, Ene2 and Hea4.<br><br>Re-adjusted print margins on all sheets.<br><br>Protection parameters changed to enable assessors to change formatting on the "Evidence required" column. |
| Rev03   | 28/02/2011                      | Data validation for ENE 2 corrected.<br><br>Code levels corrected for ENE1 and ENE2.<br><br>Functionality of ENE1 changed so if zero emissions is selected only 10 credits can be awarded.  |
| Rev04   | 03/05/2011                      | Corrected point scoring for Ene 6.  |
| Rev05   | 15/07/2011                      | Results tab: Corrected function where Code level is calculated based on % points on Results tab. Error message previously appeared when 36 or 57% points were achieved; this has now been corrected.  |



**Results**

**Development Name:**

**Dwelling Description:**

**Name of Company:**

**Code Assessor's Name:**

**Company Address:**

**Notes/Comments:**

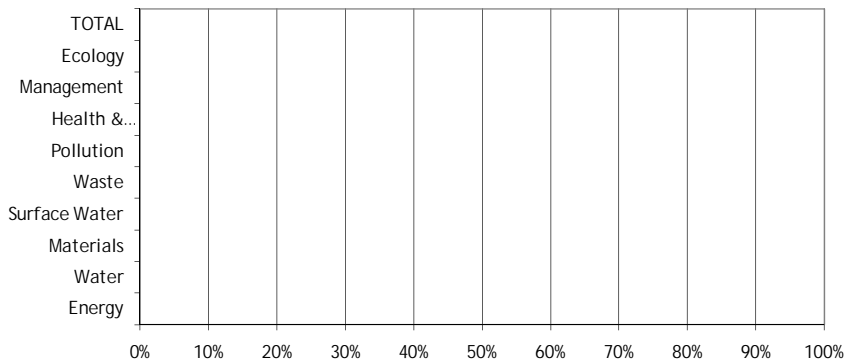
**PREDICTED RATING - CODE LEVEL: 0**

Mandatory Requirements: Not met

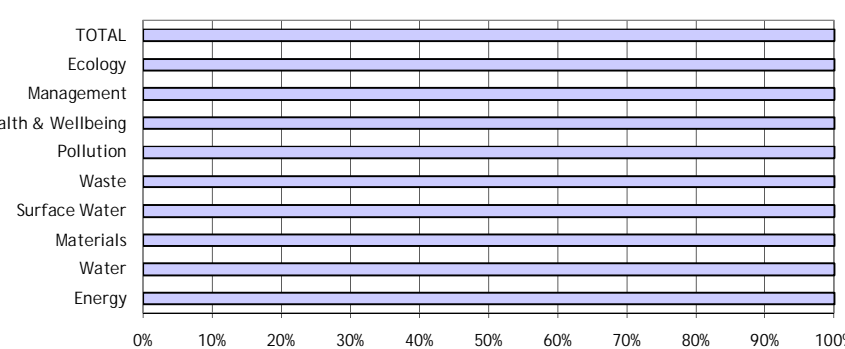
% Points: 0.00% - Code Level: No Level

Breakdown: Energy - Code Level: 3  
Water - Code Level: No Level

Graph 1: Predicted contribution of individual sections to the total score and percentage of total achievable score



Graph 2: Predicted percentage of credits achievable: Total and by Category



NOTE: The rating obtained by using this Pre Assessment Estimator is for guidance only. Predicted ratings may differ from those obtained through a formal assessment, which must be carried out by a licensed Code assessor.

| CATEGORY 1 ENERGY                            |  | Overall Level: 0  | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|--|-------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00         |  | Credits           | Level         |      |                  |   |
| Contribution to Overall % Score: 0.00 points |  | 0.0 of 31 Credits | Level 3       |      |                  |   |
| Ene 1<br>Dwelling<br>Emission<br>Rate        | <p>Credits are awarded based on the percentage improvement of the Dwelling Emission Rate (DER) over the Target Emission Rate (TER) as calculated using SAP 2009. Minimum standards for each Code level apply. The Code energy calculator can be used to calculate a predicted score.</p> <p>Enter the predicted score _____</p> <p>What is the predicted number of credits? <input type="text" value="0.0"/></p> <p>OR Are zero net CO<sub>2</sub> emissions achieved? <input type="checkbox"/></p>  | 0.0 of 10 Credits | Level 3       |      |                  |   |
| Ene 2<br>Fabric<br>Energy<br>Efficiency      | <p>Credits are awarded based on the Fabric Energy Efficiency (kWh/m<sup>2</sup>/yr) of the dwelling. Minimum standards apply at Code levels 5 and 6. The Code energy calculator can be used to calculate a predicted score.</p> <p>Enter the predicted score _____</p> <p>Apartments, Mid-terrace <input type="radio"/></p> <p>OR End terrace, Semi and Detached <input type="radio"/></p> <p>OR Staggered Mid terrace <input checked="" type="radio"/></p> <p>What is the predicted number of credits? <input type="text" value="0.0"/></p> | 0.0 of 9 Credits  | -             |      |                  |   |
| Ene 3<br>Energy<br>Display<br>Devices        | <p>Credits are awarded where a correctly specified Energy Display Device is installed monitoring electricity and/or primary heating fuel consumption.</p> <p>Select whether the EDD monitors electricity and/or fuel _____</p> <p>None Specified <input checked="" type="radio"/></p> <p>Primary Heating only <input type="radio"/></p> <p>OR Electricity only <input type="radio"/></p> <p>OR Electricity and primary heating fuel <input type="radio"/></p>  | 0 of 2 Credits    | -             |      |                  |   |

| Issue                                | Credits   | Level          | Assumptions Made | Evidence Required |
|--------------------------------------|---|----------------|------------------|-------------------|
| Ene 4<br>Drying Space                | <p>One credit is awarded for the provision of either internal or external secure drying space with posts and footings or fixings capable of holding 4m+ of drying line for 1-2 bed dwellings and 6m+ for dwellings with 3 bedrooms or greater.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Will drying space meeting the criteria be provided? _____</p> <p>Yes <input type="radio"/></p> <p>OR No <input checked="" type="radio"/></p> </div>  | 0 of 1 Credits | -                |                   |
| Ene 5<br>Energy Labelled White Goods | <p>Credits are awarded where each dwelling is provided with either information about the EU Energy Labelling Scheme, White Goods with ratings ranging from A+ to B or a combination of the previous according to the technical guide.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Select the appropriate option below _____</p> <p>EU Energy labelling information only <input type="checkbox"/></p> <p>A+ rated appliances <input type="checkbox"/></p> <p>A+, A and B rated appliances <input type="checkbox"/></p> <p>Combination of compliant rated white goods with EU Energy Labelling Scheme <input type="checkbox"/></p> </div>   | 0 of 2 Credits | -                |                   |
| Ene 6<br>External Lighting           | <p>Credits are awarded based on the provision of space lighting* with dedicated energy efficient fittings and security lighting fittings with appropriate control gear..</p> <div style="border: 1px solid black; padding: 5px;"> <p>Space Lighting _____</p> <p>None provided <input checked="" type="radio"/></p> <p>OR Non Code compliant lighting <input type="radio"/></p> <p>OR Code compliant lighting <input type="radio"/></p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>Security Lighting _____</p> <p>None provided <input checked="" type="radio"/></p> <p>OR Non Code compliant lighting <input type="radio"/></p> <p>OR Code compliant lighting and controls <input type="radio"/></p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>Dual lamp luminaires _____</p> <p>Compliant with both above criteria <input type="checkbox"/></p> </div> | 0 of 2 Credits | -                |                   |

\* Statutory safety lighting is not covered by this requirement

| Issue                                    |  | Credits        | Level | Assumptions Made | Evidence Required |
|--|--|----------------|-------|------------------|-------------------|
| Ene 7<br>Low or Zero Carbon Technologies | <p>Credits are awarded where there is a 10% or 15% reduction in CO<sub>2</sub> emissions resulting from the use of low or zero carbon technologies.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Select % contribution made by low or zero carbon technologies</p> <p>Less than 10% of demand <input checked="" type="radio"/></p> <p>OR 10% of demand or greater <input type="radio"/></p> <p>OR 15% of demand or greater <input type="radio"/></p> </div>       | 0 of 2 Credits | -     |                  |                   |
| Ene 8<br>Cycle Storage                   | <p>Credits are awarded where adequate, safe, secure and weather proof cycle storage is provided according to the Code requirements.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Fill in the development details below</p> <p>Number of bedrooms: <input type="text"/></p> <p>Number of cycles stored per dwelling* <input type="text"/></p> </div> <p>* if you have storage for 1 cycle per two dwellings insert 0.5 in number of cycles stored per dwelling</p> | 0 of 2 Credits | -     |                  |                   |
| Ene 9<br>Home Office                     | <p>A credit is awarded for the provision of a home office. The location, space and services provided must meet the Code requirements.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Will there be provision for a Home Office? <input type="text"/></p> <p>Yes <input type="radio"/></p> <p>OR No <input checked="" type="radio"/></p> </div>  | 0 of 1 Credits | -     |                  |                   |

| CATEGORY 2 WATER                           |  | Overall Level: 0 | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|--|------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00       |  | Credits          | Level         |      |                  |   |
| Contribution to Overall Score: 0.00 points |  | 0 of 6 Credits   | No Level      |      |                  |   |
| Wat 1<br>Indoor<br>Water Use               | <p>Credits are awarded based on the predicted average household water consumption, calculated using the Code Water Calculator Tool. Minimum standards for each code level apply.</p> <p>Select the predicted water use / Mandatory Requirement</p> <ul style="list-style-type: none"> <li>greater than 120 litres/ person/ day <input checked="" type="radio"/></li> <li>OR ≤ less than 120 litres/ person/ day <input type="radio"/></li> <li>OR ≤ less than 110 litres/ person/ day <input type="radio"/></li> <li>OR ≤ less than 105 litres/ person/ day <input type="radio"/></li> <li>OR ≤ less than 90 litres/ person/ day <input type="radio"/></li> <li>OR ≤ less than 80 litres/ person/ day <input type="radio"/></li> </ul> | 0 of 5 Credits   | No Level      |      |                  |   |
| Wat 2<br>External<br>Water Use             | <p>A credit is awarded where a compliant system is specified for collecting rainwater for external irrigation purposes. Where no outdoor space is provided the credit can be achieved by default.</p> <p>Select the scenario that applies</p> <ul style="list-style-type: none"> <li>No internal or communal outdoor space <input type="radio"/></li> <li>OR Outdoor space with collection system <input type="radio"/></li> <li>OR Outdoor space without collection system <input checked="" type="radio"/></li> </ul>  | 0 of 1 Credits   | -             |      |                  |   |



| CATEGORY 3 MATERIALS   |   | Overall Level: 0 | Overall Score 0.00 |                  |   |
|--|---|------------------|--------------------|------------------|---|
| % of Section Credits Predicted: 0.00                                 |   | Credits          | Level              | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
| Contribution to Overall Score: 0.00 points                           |   | 0 of 24 Credits  | No Level           |                  |   |
| Mat 1<br>Environmental Impact of Materials                           | <p><b>Mandatory Requirement:</b> At least three of the five key building elements must achieve a Green Guide 2008 Rating of A+ to D.</p> <p><b>Tradable Credits:</b> Points are awarded on a scale based on the Green Guide Rating of the specifications. The Code Materials Calculator can be used to predict a potential score.</p> <p>Mandatory Requirement <input type="checkbox"/></p> <p>Will the mandatory requirement be met? <input type="checkbox"/></p> <p>Enter the predicted score <input type="text"/></p> <p>What is the predicted number of credits? <input type="text"/></p> | 0 of 15 Credits  | No Level           |                  |   |
| Mat 2<br>Responsible Sourcing of Materials - Basic Building Elements | <p>Credits are awarded where materials used in the basic building elements are responsibly sourced. The Code Materials Calculator can be used to predict a potential score.</p> <p>Enter the predicted Score <input type="text"/></p> <p>What is the predicted number of credits? <input type="text"/></p>  | 0 of 6 Credits   | -                  |                  |   |
| Mat 3<br>Responsible Sourcing of Materials - Finishing Elements      | <p>Credits are awarded where materials used in the finishing elements are responsibly sourced. The Code Materials Calculator can be used to predict a potential score.</p> <p>Enter the predicted Score <input type="text"/></p> <p>What is the predicted number of credits? <input type="text"/></p>   | 0 of 3 Credits   | -                  |                  |   |

| CATEGORY 4 SURFACE WATER RUN-OFF                               |   | Overall Level: 0 | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|---|------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00%                          |   | Credits          | Level         |      |                  |   |
| Contribution to Overall Score: 0.00 points                     |   | 0 of 4 Credits   | No Level      |      |                  |   |
| Sur 1<br>Management of Surface Water Run-off from developments | <p><b>Mandatory Requirement:</b> Peak rate of run-off into watercourses is no greater for the developed site than it was for the pre-development site and that the additional predicted volume of rainwater discharge caused by the new development is entirely reduced as far as possible in accordance with the assessment criteria. Designing the drainage system to be able to cope with local drainage system failure. <b>Tradable Credits:</b> Where SUDS are used to improve water quality of the rainwater discharged or for protecting the quality of the receiving waters.</p> <p><b>Mandatory Requirement</b> _____</p> <p>Will the mandatory requirement be met? <input type="checkbox"/></p> <p><b>Select the appropriate option</b> _____</p> <p>No SUDS <input type="checkbox"/></p> <p>No runoff into watercourses for the first 5 mm of rainfall <input type="checkbox"/></p> <p>Runoff from hard surfaces will receive an appropriate level of treatment <input type="checkbox"/></p> | 0 of 2 Credits   | No Level      |      |                  |   |
| Sur 2<br>Flood Risk  | <p>Credits are awarded where developments are located in areas of low flood risk or where in areas of medium or high flood risk appropriate measures are taken to prevent damage to the property and its contents in accordance with the Code criteria in the technical guide.</p> <p><b>Select the annual probability of flooding (from PPS25*)</b> _____</p> <p>Zone 1 - Low <input checked="" type="radio"/></p> <p>OR Zone 2 - Medium <input type="radio"/></p> <p>OR Zone 3 - High <input type="radio"/></p> <p><b>Select the appropriate option(s)</b> _____</p> <p>Low risk of flooding from FRA** <input type="checkbox"/></p> <p>All measures of protection are demonstrated in FRA <input type="checkbox"/></p> <p>Ground floor level and access routes are 600 mm above design flood level <input type="checkbox"/></p> <p>* Planning Policy Statement 25 - Planning and Flood Risk<br/>** FRA - Flood Risk Assessment</p>   | 0 of 2 Credits   | -             |      |                  |   |

| CATEGORY 5 WASTE  |  | Overall Level: 0 | Overall Score  | 0.00     | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|---|--|------------------|----------------|----------|------------------|---|
| % of Section Credits Predicted: 0.00%                                   |  | Credits          | Level          |          |                  |   |
| Contribution to Overall Score: 0.00 points                              |  | 0 of 8 Credits   | No Level       |          |                  |   |
| Was 1<br>Storage of non-recyclable waste and recyclable household waste | <p><u>Mandatory Requirement:</u> The space provided for waste storage should be sized to hold the larger of either all external containers provided by the Local Authority or the min capacity calculated from BS 5906. <u>Tradable Credits</u> are awarded for adequate internal and/ or external recycling facilities.</p> <p><b>Mandatory Requirement</b></p> <p>Will the minimum space be provided and be accessible to disabled people? <input type="checkbox"/></p> <p><b>Internal Recyclable household waste storage</b></p> <p>Where there is no external recyclable waste storage and no Local Authority collection scheme</p> <p>Internal storage (capacity 60 litres) <input type="checkbox"/></p> <p><b>Local Authority collection Scheme</b></p> <p>Post Collection sorting<br/>Internal storage (capacity 30 litres) <input type="checkbox"/></p> <p>Pre-collection sorting<br/>Internal storage (3 separate bins, capacity 30 litres) <input type="checkbox"/></p> <p><b>External Storage, no Local Authority collection scheme</b></p> <p>3 separate internal storage bins (capacity 30 litres) <input type="checkbox"/></p> <p><b>AND</b></p> <p>Houses<br/>External Storage(capacity 180 litres) <input type="checkbox"/></p> <p>Flats <input type="checkbox"/></p> <p>Private recycling operator <input type="checkbox"/></p> <p>3 or greater types of waste collected <input type="checkbox"/></p> | 0 of 2 Credits   | 0 of 4 Credits | No Level |                  |   |

| Issue   | Credits   | Level | Assumptions Made | Evidence Required |
|---|---|-------|------------------|-------------------|
| <p>Was 2<br/>Construction Site Waste Management</p> | <p>A credit is awarded where a compliant SWMP is provided with targets and procedures to minimise construction waste. Credits are available where the SWMP include procedures and commitments for diverting either 50% or 85% of waste generated from landfill.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>SWMP details</p> <p>Does the SWMP include:</p> <p>+ No SWMP <input checked="" type="radio"/></p> <p>+ SWMP with targets and procedures to minimise waste? <input type="radio"/></p> <p>+ SWMP with procedures to divert 50% of waste <input type="radio"/></p> <p>+ SWMP with procedures to divert 85% of waste <input type="radio"/></p> </div> <p style="text-align: center; margin-top: 10px;">0 of 3 Credits</p>                          |       |                  |                   |
| <p>Was 3<br/>Composting</p>                         | <p>A credit is awarded where individual home composting facilities are provided, or where a community/ communal composting service, either run by the Local Authority or overseen by a management plan is in operation.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Select the facilities available</p> <p>No composting facilities <input checked="" type="radio"/></p> <p>Individual composting facilities <input type="radio"/></p> <p>OR Communal/ community composting*? <input type="radio"/></p> <p style="padding-left: 20px;">Local Authority <input type="checkbox"/></p> <p style="padding-left: 20px;">OR Private with management plan <input type="checkbox"/></p> </div> <p style="text-align: center; margin-top: 10px;">0 of 1 Credit</p> | -     |                  |                   |

\* including if an automated waste collection system is in place

| CATEGORY 6 POLLUTION                                 |   | Overall Level: 0 | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|---|------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00%                |   | Credits          | Level         |      |                  |   |
| Contribution to Overall Score: 0.00 points           |   | 0 of 4 Credits   | All Levels    |      |                  |   |
| Pol 1<br>Global Warming Potential (GWP) of Insulants | <p>A credit is awarded where <u>all</u> insulating materials only use substances (in manufacture AND installation) that have a GWP of less than 5.</p> <p>Select the most appropriate option</p> <p>All insulants have a GWP less than 5 <input type="radio"/></p> <p>OR Some insulants have a GWP of less than 5 <input type="radio"/></p> <p>OR No insulants have a GWP of less than 5 <input checked="" type="radio"/></p>   | 0 of 1 Credits   | -             |      |                  |   |
| Pol 2<br>NOx Emissions                               | <p>Credits are awarded on the basis of NOx emissions arising from the operation of the space and water heating system within the dwelling.</p> <p>Select the most appropriate option</p> <p>Greater than 100 mg/kWh <input checked="" type="radio"/></p> <p>OR Less than 100 mg/kWh <input type="radio"/></p> <p>OR Less than 70 mg/kWh <input type="radio"/></p> <p>OR Less than 40 mg/kWh <input type="radio"/></p> <p>OR Class 4 boiler <input type="radio"/></p> <p>OR Class 5 boiler <input type="radio"/></p> <p>OR All space and hot water energy requirements are met by systems who do not produce NOx emissions <input type="radio"/></p> | 0 of 3 Credits   | -             |      |                  |   |

| CATEGORY 7 HEALTH & WELLBEING  |   | Overall Level: 0  | Overall Score         | 0.00                           | Assumptions Made         | Evidence Required<br>(The below cells can be formatted by assessors if required.) |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
|--|---|-------------------|-----------------------|--------------------------------|--------------------------|---|--------------------------|--|----------------------------------|---------------------------------|----------------------------------|--|--------------------------|--|-----------------------|--|-----------------------|----------------|---|--|--|
| % of Section Credits Predicted: 0.00%                                      |   | Credits           | Level                 |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Contribution to Overall Score: 0.00 points                                 |   | 0 of 12 Credits   | No level              |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Hea 1<br>Daylighting   | <p>Credits are awarded for ensuring key rooms in the dwelling have high daylight factors (DF) and a view of the sky.</p> <p>Select the compliant areas</p> <table border="1"> <tr> <td><u>Room</u></td> <td></td> </tr> <tr> <td>Kitchen: Avg DF of at least 2%</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Living Room*: Avg DF of at least 1.5%</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Dining Room*: Avg DF of at least 1.5%</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Study*: Avg DF of at least 1.5%</td> <td><input type="checkbox"/></td> </tr> <tr> <td>80% of working plane in all above rooms receive direct light from the sky?</td> <td><input type="checkbox"/></td> </tr> </table> <p>Any room used for Ene 9 Home Office must also achieve a min DF of 1.5%.</p>   | <u>Room</u>       |                       | Kitchen: Avg DF of at least 2% | <input type="checkbox"/> | Living Room*: Avg DF of at least 1.5%   | <input type="checkbox"/> | Dining Room*: Avg DF of at least 1.5%                        | <input type="checkbox"/>         | Study*: Avg DF of at least 1.5% | <input type="checkbox"/>         | 80% of working plane in all above rooms receive direct light from the sky? | <input type="checkbox"/> | 0 of 3 Credits                             | -                     |  |                       |                |   |  |  |
| <u>Room</u>  |   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Kitchen: Avg DF of at least 2%   | <input type="checkbox"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Living Room*: Avg DF of at least 1.5%                                      | <input type="checkbox"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Dining Room*: Avg DF of at least 1.5%                                      | <input type="checkbox"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Study*: Avg DF of at least 1.5%  | <input type="checkbox"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| 80% of working plane in all above rooms receive direct light from the sky? | <input type="checkbox"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Hea 2<br>Sound<br>Insulation   | <p>Credits are awarded where performance standards exceed those required in Building Regulations Part E. This can be demonstrated by carrying out pre-completion testing or through the use of Robust Details Limited.</p> <p>Select a type of property</p> <table border="1"> <tr> <td>Detached Property</td> <td><input type="radio"/></td> </tr> <tr> <td>Attached Properties:</td> <td></td> </tr> <tr> <td>- Separating walls and floors only exist between non habitable spaces</td> <td><input type="radio"/></td> </tr> <tr> <td>- Separating walls and floors exist between habitable spaces</td> <td><input checked="" type="radio"/></td> </tr> </table> <p>Select a performance standard</p> <table border="1"> <tr> <td>Performance standard not sought</td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Airborne: 3db higher; Impact: 3dB lower</td> <td><input type="radio"/></td> </tr> <tr> <td>OR Airborne: 5db higher; Impact: 5dB lower</td> <td><input type="radio"/></td> </tr> <tr> <td>OR Airborne: 8db higher; Impact: 8dB lower</td> <td><input type="radio"/></td> </tr> </table> | Detached Property | <input type="radio"/> | Attached Properties:           |                          | - Separating walls and floors only exist between non habitable spaces             | <input type="radio"/>    | - Separating walls and floors exist between habitable spaces | <input checked="" type="radio"/> | Performance standard not sought | <input checked="" type="radio"/> | Airborne: 3db higher; Impact: 3dB lower                                    | <input type="radio"/>    | OR Airborne: 5db higher; Impact: 5dB lower | <input type="radio"/> | OR Airborne: 8db higher; Impact: 8dB lower | <input type="radio"/> | 0 of 4 Credits | - |  |  |
| Detached Property  | <input type="radio"/>   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Attached Properties:   |   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| - Separating walls and floors only exist between non habitable spaces      | <input type="radio"/>   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| - Separating walls and floors exist between habitable spaces               | <input checked="" type="radio"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Performance standard not sought  | <input checked="" type="radio"/>  |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| Airborne: 3db higher; Impact: 3dB lower                                    | <input type="radio"/>   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| OR Airborne: 5db higher; Impact: 5dB lower                                 | <input type="radio"/>   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |
| OR Airborne: 8db higher; Impact: 8dB lower                                 | <input type="radio"/>   |                   |                       |                                |                          |   |                          |  |                                  |                                 |                                  |  |                          |  |                       |  |                       |                |   |  |  |

| Issue                      | Credits   | Level          | Assumptions Made | Evidence Required |
|----------------------------|---|----------------|------------------|-------------------|
| Hea 3<br>Private<br>Space  | <p>A credit is awarded for the provision of an outdoor space that is at least partially private. The space must allow easy access to all occupants.</p> <p>Will a private/ semi-private space be provided? _____</p> <p>Yes, private/semi-private space will be provided <input type="radio"/></p> <p>OR No private/semi-private space <input checked="" type="radio"/></p>   | 0 of 1 Credits | -                |                   |
| Hea 4<br>Lifetime<br>Homes | <p><u>Mandatory Requirement:</u> Lifetime Homes is mandatory when a dwelling is to achieve Code Level 6.</p> <p><u>Tradable credits:</u> Credits are awarded where the developer has implemented all of the principles of the Lifetime Homes scheme.</p> <p>Mandatory Requirement _____</p> <p>Dwelling to achieve Code Level 6? <input type="checkbox"/></p> <p>Lifetime Homes Compliance _____</p> <p>All Lifetime Homes criteria will be met <input type="radio"/></p> <p>OR Exemption from LTH criteria 2/3 applied <input type="radio"/></p> <p>Credit not sought <input checked="" type="radio"/></p> | 0 of 4 Credits | No level         |                   |

| CATEGORY 8 MANAGEMENT                      |  | Overall Level: 0 | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|--|------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00%      |  | Credits          | Level         |      |                  |   |
| Contribution to Overall Score: 0.00 points |  | 0 of 9 Credits   | All Levels    |      |                  |   |
| Man 1<br>Home User Guide                   | <p>Credits are awarded where a simple guide is provided to each dwelling covering information relevant to the 'non-technical' home occupier, in accordance with the Code requirements.</p> <p>Tick the topics covered by the Home User Guide</p> <p>Operational Issues? <input type="checkbox"/></p> <p>Site and Surroundings? <input type="checkbox"/></p> <p>Is available in alternative formats? <input type="checkbox"/></p>   | 0 of 3 Credits   | -             |      |                  |   |
| Man 2<br>Considerate Constructors Scheme   | <p>Credits are awarded where there is a commitment to comply with best practice site management principles using either the Considerate Constructors Scheme or an alternative locally/nationally recognised scheme.</p> <p>Select the appropriate scheme and score</p> <p>No scheme used <input checked="" type="radio"/></p> <p>Considerate Constructors <input type="radio"/></p> <p>OR Best Practice: Score between 24 and 31.5 <input type="radio"/></p> <p>OR Best Practice+: Score between 32 and 40 <input type="radio"/></p> <p>Alternative Scheme* <input type="radio"/></p> <p>OR Mandatory + 50% optional requirements <input type="radio"/></p> <p>OR Mandatory + 80% optional requirements <input type="radio"/></p> <p>* In the first instance, contact a Code Service Provider if you are considering to use an alternative scheme.</p> | 0 of 2 Credits   | -             |      |                  |   |
| Man 3<br>Construction Site Impacts         | <p>Credits are awarded where there is a commitment and strategy to operate site management procedures on site as following:</p> <p>Tick the impacts that will be addressed</p> <p><u>Monitor, report and set targets, where applicable, for:</u></p> <p>- CO<sub>2</sub>/ energy use from site activities <input type="checkbox"/></p> <p>- CO<sub>2</sub>/ energy use from site related transport <input type="checkbox"/></p> <p>- water consumption from site activities <input type="checkbox"/></p> <p><u>Adopt best practice policies in respect of:</u></p> <p>- air (dust) pollution from site activities <input type="checkbox"/></p> <p>- water (ground and surface) pollution on site <input type="checkbox"/></p> <p><u>80% of site timber</u> is reclaimed, re-used or responsibly sourced <input type="checkbox"/></p>                   | 0 of 2 Credits   | -             |      |                  |   |



| Issue             | Credits  | Level                 | Assumptions Made | Evidence Required |  |
|-------------------|--|-----------------------|------------------|-------------------|--|
| Man 4<br>Security | <p>Credits are awarded for complying with Section 2 - Physical Security from Secured by Design - New Homes. An Architectural Liaison Officer (ALO), or alternative, needs to be appointed early in the design process and their recommendations incorporated.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Secured by Design Compliance <input checked="" type="radio"/></p> <p>Credit not sought <input type="radio"/></p> <p>OR Secured by Design Section 2 Compliance <input type="radio"/></p> </div> | <p>0 of 2 Credits</p> | <p>-</p>         |                   |  |

| CATEGORY 9 ECOLOGY                               |  | Overall Level: 0 | Overall Score | 0.00 | Assumptions Made | Evidence Required<br>(The below cells can be formatted by assessors if required.) |
|--|--|------------------|---------------|------|------------------|---|
| % of Section Credits Predicted: 0.00%            |  | Credits          | Level         |      |                  |   |
| Contribution to Overall Score: 0.00 points       |  | 0 of 9 Credits   | All Levels    |      |                  |   |
| Eco 1<br>Ecological<br>Value of Site             | <p>One credit is awarded for developing land of inherently low value.</p> <p>Select the appropriate option</p> <p>Credit not sought <input checked="" type="radio"/></p> <p>OR Land has ecological value <input type="radio"/></p> <p>OR Land has low/ insignificant ecological value* <input type="radio"/></p> <p>* Low ecological value is determined either a) by using Checklist Eco 1 across the whole development site; or b) where an suitably qualified ecologist is appointed and can confirm or c) produces an independent ecological report of the site, that the construction zone is of low/ insignificant value; AND the rest of the development site will remain undisturbed by the works.</p> | 0 of 1 Credits   | -             |      |                  |   |
| Eco 2<br>Ecological<br>Enhancement               | <p>A credit is awarded where there is a commitment to enhance the ecological value of the development site.</p> <p>Tick the appropriate boxes</p> <p>Will a <i>Suitably Qualified Ecologist</i> be appointed to recommend appropriate ecological features? <input type="checkbox"/></p> <p>AND Will all key recommendations be adopted? <input type="checkbox"/></p> <p>AND 30% of other recommendations be adopted? <input type="checkbox"/></p>  | 0 of 1 Credits   | -             |      |                  |   |
| Eco 3<br>Protection<br>of Ecological<br>Features | <p>A credit is awarded where there is a commitment to maintain and adequately protect features of ecological value.</p> <p>Type and protection of existing features</p> <p>Site with features of ecological value? <input checked="" type="radio"/></p> <p>OR Site of low ecological value (as Eco 1)? <input type="radio"/></p> <p>AND All* existing features potentially affected by site works are maintained and adequately protected? <input type="checkbox"/></p> <p>*If a suitably qualified ecologist has confirmed that a feature can be removed due to insignificant ecological value or poor health conditions, as long all the rest have been protected, then this box can be ticked.</p>          | 0 of 1 Credits   | -             |      |                  |   |

| Issue                                       | Credits  | Level          | Assumptions Made | Evidence Required |
|---|--|----------------|------------------|-------------------|
| Eco 4<br>Change of Ecological Value of Site | Credits are awarded where the change in ecological value has been calculated in accordance with the Code requirements and is calculated to be: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">             Change in Ecological Value             <ul style="list-style-type: none"> <li>Major negative change: fewer than -9 <input checked="" type="radio"/></li> <li>Minor negative change: between -9 and -3 <input type="radio"/></li> <li>OR Neutral: between -3 and +3 <input type="radio"/></li> <li>Minor enhancement: between +3 and +9 <input type="radio"/></li> <li>Major enhancement: greater than 9 <input type="radio"/></li> </ul> </div>  | 0 of 4 Credits | -                |                   |
| Eco 5<br>Building Footprint                 | Credits are awarded where the ratio of combined floor area of all dwellings on the site to their footprint is: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">             Ratio of Net Internal Floor Area: Net Internal Ground Floor Area             <ul style="list-style-type: none"> <li>Credit Not Sought <input checked="" type="radio"/></li> <li>OR Houses: 2.5:1 OR Flats: 3:1 <input type="radio"/></li> <li>OR Houses: 3:1 OR Flats: 4:1 <input type="radio"/></li> <li>OR Houses &amp; Flats Weighted (2.5:1 &amp; 3:1) <input type="radio"/></li> <li>OR Houses &amp; Flats Weighted (3:1 &amp; 4:1) <input type="radio"/></li> </ul> </div> | 0 of 2 Credits |                  |                   |