

| 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. Re-adjusted print margins on all sheets. Protection parameters changed to enable assessors to change formatting on the "Evidence required" column. |
| Rev03 | 28/02/2011 | Data validation for ENE 2 corrected. Code levels corrected for ENE1 and ENE2. Functionality of ENE1 changed so if zero emissions is selected only 10 credits can be awarded. |



Results

| | |
|------------------------------|---|
| Development Name: | 210 Kingston Road, Teddington TW11 9JF |
| Dwelling Description: | new build of 7 flats - flat 5 assessed as worst case scenerio |
| Name of Company: | French Associates Limited |
| Code Assessor's Name: | P French |
| Company Address: | Cedarfield Stables, Hogs Back, Seale, Nr Farnham GU10 1HG |
| Notes/Comments: | |

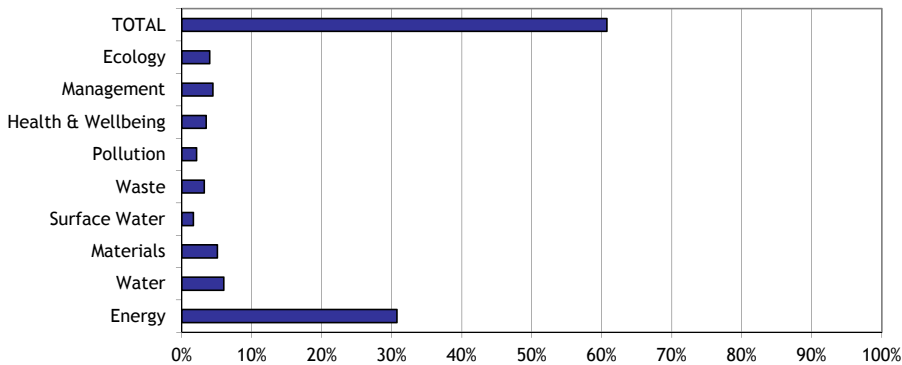
PREDICTED RATING - CODE LEVEL: 3

Mandatory Requirements: All Levels

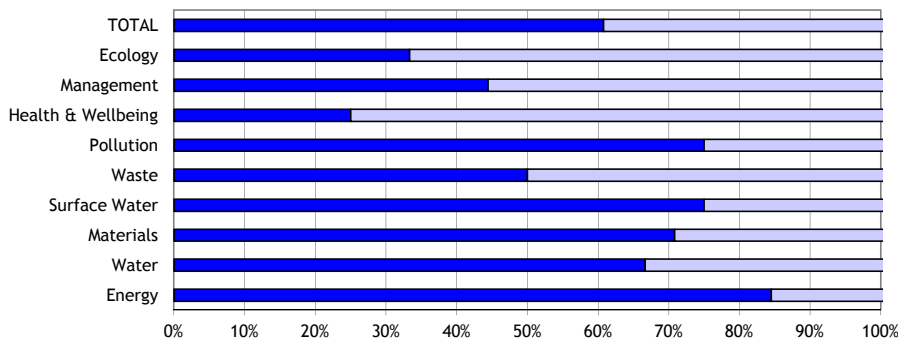
% Points: 60.75% - Code Level: 3

Breakdown: Energy - Code Level: 5
Water - Code Level: 4

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.

Consent is given for the estimator to be copied without infringement of copyright for use only on projects where a Code for Sustainable Homes assessment is carried out. Whilst every care is taken in preparing this estimator, BREG cannot accept responsibility for any inaccuracies or for consequential loss incurred as a result of such inaccuracies arising through the use of the estimator tool.

| CATEGORY 1 ENERGY | | Overall Level: 3 | Overall Score | 60.75 | | Evidence Required |
|---|--|-------------------|--------------------|--|---|--|
| % of Section Credits Predicted: 84.51 | | | Credits | Level | Assumptions Made | (The below cells can be formatted by assessors if required.) |
| Contribution to Overall % Score: 30.76 points | | | 26.2 of 31 Credits | Level 5 | | |
| Ene 1 Dwelling Emission 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="9.0"/></p> <p>OR Are zero net CO₂ emissions achieved? <input type="checkbox"/></p> | 9.0 of 10 Credits | Level 5 | Will reach building regulations requirements of this section plus an extra 20% CO ₂ in line with the Local authorities policy | Design Stage Detailed documentary evidence confirming the TER, DER and % improvement over DER over TER based on design stage SAP outputs* or where applicable Copy of calculations as detailed in the assessment methodology based on design stage SAP outputs*AND Confirmation of FEE performance where SAP section 16 allowances have been included in the calculations * Dated outputs with accredited energy assessor name and registration number, assessment status, plot number and development address. | |
| Ene 2 Fabric Energy Efficiency | <p>Credits are awarded based on the Fabric Energy Efficiency (kWh/m²/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 checked="" type="radio"/></p> <p>OR End terrace, Semi and Detached <input type="radio"/></p> <p>OR Staggered Mid terrace <input type="radio"/></p> <p>What is the predicted number of credits? <input type="text" value="7.2"/></p> | 7.2 of 9 Credits | Level 6 | Mandatory requirements will be met in line with the new assessment methodology detailed on the new SAP worksheets | Design stage - Detailed documentary evidence confirming fabric energy efficiency based on design stage SAP outputs. Or where applicable: a copy of calculations as detailed in the assessment methodology based on design stage SAP outputs. * Dated outputs with accredited energy assessor name and registration number, assessment status, plot number and development address. If not produced by accredited energy assessor additional verification is required as detailed in the assessment methodology. | |
| Ene 3 Energy Display 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 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 checked="" type="radio"/></p> | 2 of 2 Credits | - | It is assumed that an energy reduction meter will be fitted within the property | Design stage Detailed documentary evidence confirming: that the correctly specified NEG displayed device is dedicated to the dwelling and the consumption data displayed by the correctly specified energy display device - where detailed documentary evidence cannot be produced at this stage: A specification can be allowed as evidence of intent to meet specific requirements or a letter of instruction to a contract/supplier or a form letter from the developer giving the specific | |

| Issue | Credits | Level | Assumptions Made | Evidence Required |
|--|---|-----------------------|---|--|
| <p>Ene 4 Drying Space</p> | <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> <p>Will drying space meeting the criteria be provided? _____</p> <p>Yes <input checked="" type="radio"/></p> <p>OR No <input type="radio"/></p> | <p>1 of 1 Credits</p> | <p>The provision of 4m+ line should be situated over baths or in a utility room. Sufficient ventilation and heating provision will be provided in compliance with building regulations.</p> | <p>Design stage</p> <p>For internal drying space, detailed documentary evidence confirming:</p> <ul style="list-style-type: none"> - the location of drying fittings - details/location of ventilation provided - the length of the drying line - details of the lock provided(for the communal drying space only) <p>For external drying space, detailed documentary evidence confirming:</p> |
| <p>Ene 5 Energy Labelled White Goods</p> | <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> <p>Select the appropriate option below _____</p> <p>EU Energy labelling information only <input checked="" 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> | <p>1 of 2 Credits</p> | <p>Assumed minimum compliance: Minimum provision of DEFRA Leaflet (or similar) regarding the EU Energy Labelling Scheme included within Tenants Pack Additional credit may be achieved where A+/A rated white goods are provided as part of the contract</p> | <p>Design stage</p> <p>If any white goods are to be provided, detailed documentary evidence confirming:</p> <p>The appliances to be provided with their applicable rating under the EU energy efficiency labelling scheme. Where washer dryers or tumble dryers will not be provided and the second credit is sought, provide detail documentary evidence as follows:</p> <ul style="list-style-type: none"> - A copy of the EU energy efficiency labelling scheme information.and - Confirmation that the evidence will be provided to all dwellings. <p>If no white goods are provided, detailed documentary</p> |
| <p>Ene 6 External Lighting</p> | <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> <p>Space Lighting _____</p> <p>None provided <input type="radio"/></p> <p>OR Non Code compliant lighting <input type="radio"/></p> <p>OR Code compliant lighting <input checked="" type="radio"/></p> <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> <p>Dual lamp luminaires _____</p> <p>Compliant with both above criteria <input type="checkbox"/></p> | <p>2 of 2 Credits</p> | <p>Assumed all space lighting to front and rear entrances are lit by mounted dedicated CFL fittings with PIR and internal switches.</p> <p>Lighting should cover parking bays, patio/garden areas and external stores.</p> <p>All security lighting (burglar) should have max wattage of 150W and be fitted with PIR and daylight cut-off</p> <p>Dual lamp luminaires can achieve both credits where energy efficiency has been met</p> | <p>Design stage</p> <p>Relevant drawings clearly showing the location of all external light fittings and</p> <p>Detailed documentary evidence confirming:</p> <ul style="list-style-type: none"> - the type of light fitting and efficiency in lumens per circuit watt, for all the lamps - the control system applicable to each light fitting or group of fittings. <p>Where detailed information is not available at this stage:</p> <ul style="list-style-type: none"> - a letter of instruction to a contractor/supplier or a formal letter from the developer giving the specific undertaking |

* Statutory safety lighting is not covered by this requirement

| Issue | Credits | Level | Assumptions Made | Evidence Required |
|--|--|----------------|------------------|---|
| Ene 7 Low or Zero Carbon Technologies | Credits are awarded where there is a 10% or 15% reduction in CO ₂ emissions resulting from the use of low or zero carbon technologies. Select % contribution made by low or zero carbon technologies Less than 10% of demand <input type="radio"/> OR 10% of demand or greater <input type="radio"/> OR 15% of demand or greater <input checked="" type="radio"/> | 2 of 2 Credits | - | Currently assumed building regulation compliance with low or zero carbon technology (PV) on building design and compliance sap assessment for 25% improvement on building regulations. Review points once SAP assessment has been completed Design stage A copy of calculations as detailed in the assessment methodology based on design stage SAP outputs and Detailed documentary evidence confirming that the specified low or zero carbon technology: - meet all additional requirements defined in the directive 2009/28/EC as applicable. and are: - certified under the microgeneration certificated scheme* OR- certified under the CHPQA standard* <i>if applicable</i> |
| Ene 8 Cycle Storage | Credits are awarded where adequate, safe, secure and weather proof cycle storage is provided according to the Code requirements. Fill in the development details below Number of bedrooms: <input type="text" value="2"/> Number of cycles stored per dwelling* <input type="text" value="2.0"/> <small>* if you have storage for 1 cycle per two dwellings insert 0.5 in number of cycles stored per dwelling</small> | 2 of 2 Credits | - | Design stage Two cycles will be provided in a communal store area, with secure lock on the door conforming to BS3621:2004. Sheffield Cycle stand to be concreted into base of proposed store Detailed documentary evidence showing: - the number of bedrooms and a corresponding number of cycles storage spaces per dwelling - location, type and size of storage - convenient access to cycle store - any security measures - details of the proprietary system(if applicable) - how the requirements of clause 35 of the secured by design-new homes 2010 will be met(if applicable) |
| Ene 9 Home Office | A credit is awarded for the provision of a home office. The location, space and services provided must meet the Code requirements. Will there be provision for a Home Office? Yes <input type="radio"/> OR No <input checked="" type="radio"/> | 0 of 1 Credits | - | Design stage Assumed sufficient space and services to accommodate: A desk space (1.8m wall space for desk and filing cabinet or bookshelf); Two double power sockets; two telephone points (or one telephone point where cable or broadband is available); Window and adequate ventilation (must achieved DF of 1.5%) Detail documentary evidence showing: - location of and significant space for the home office - location and number of sockets - location of telephone points - that adequate ventilation will be provided - that on average daylight factor of at least 1.5% is achieved - confirmation of one of the following: |

| CATEGORY 2 WATER | | Overall Level: 3 | Overall Score | 60.75 | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
|--|---|------------------|---------------------------|---|--|---|
| % of Section Credits Predicted: 66.66 | | Credits | Level | 4 of 6 Credits | | |
| Contribution to Overall Score: 6.00 points | | | | | | |
| Wat 1 Indoor 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> <p>greater than 120 litres/ person/ day <input type="radio"/></p> <p>OR ≤ less than 120 litres/ person/ day <input type="radio"/></p> <p>OR ≤ less than 110 litres/ person/ day <input type="radio"/></p> <p>OR ≤ less than 105 litres/ person/ day <input checked="" type="radio"/></p> <p>OR ≤ less than 90 litres/ person/ day <input type="radio"/></p> <p>OR ≤ less than 80 litres/ person/ day <input type="radio"/></p> | 3 of 5 Credits | Level 3 AND Level 4 | <p>Specification of 1 No. 4/2.0 litre dual flush WC</p> <p>Flow rate to basin/kitchen sink taps not specified therefore, assessed at 4litres/min</p> <p>Flow rate of showers not specified therefore, flow rate assessed at 6 litres/min</p> <p>Capacity of baths to overflow, not specified therefore, assessed at 149 litres. Washing machine not specified therefore assessed 17.16 litre capacity cycle</p> <p>Standard Dishwasher not specified therefore assessed 4.5 litre cycle</p> | <p>Design stage</p> <p>Completed water efficiency calculator for new dwellings internal portable water used for each dwelling which has a different specification and detailed documentary evidence showing: local, details and type of appliances/fittings that is use water in the dwelling including any specific water reduction equipment with the capacity/flow rates of equipment.</p> <p>Location, size and details of any rainwater and greywater collection system provided for use in the dwelling.</p> <p>Where detailed documentary evidence is not available</p> | |
| Wat 2 External 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> <p>No internal or communal outdoor space <input type="radio"/></p> <p>OR Outdoor space with collection system <input checked="" type="radio"/></p> <p>OR Outdoor space without collection system <input type="radio"/></p> | 1 of 1 Credits | - | <p>A suitable rain water butt with a capacity of at least 200 litres with a child proof lid ensuring no open access at the top of the water butt. A provision of a tap/other arrangement for draining the water. This will have a connection to the rain water downpipes with an automatic overflow into the conventional rainwater drainage system.</p> | <p>Design stage</p> <p>Detailed documentary evidence stating type, size and location of any rainwater collection system</p> <p>Where detailed documentary evidence is not available; a letter of instruction to a contract/supplier or a formal letter from the developer giving their specific undertaking</p> | |

| CATEGORY 3 MATERIALS | | Overall Level: 3 | Overall Score | 60.75 | | | |
|--|---|------------------|---------------|---|------------------|---|---|
| % of Section Credits Predicted: 70.83 | | Credits | | Level | Assumptions Made | | Evidence Required (The below cells can be formatted by assessors if required.) |
| Contribution to Overall Score: 5.10 points | | 17 of 24 Credits | | All Levels | | | |
| Mat 1 Environmental Impact of Materials | <p>Mandatory Requirement: At least three of the five key building elements must achieve a Green Guide 2008 Rating of A+ to D.</p> <p>Tradable Credits: 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 _____ Will the mandatory requirement be met? <input checked="" type="checkbox"/></p> <p>Enter the predicted score _____ What is the predicted number of credits? <input type="text" value="13"/></p> | 13 of 15 Credits | All Levels | Assumed elemental specification for Roofs, Internal Walls, Floors (Ground and Upper) and Windows will be chosen in accordance with the Green Guide to Housing Specification (interim Green Guide Ratings, BRE 2010) and achieve A to B Ratings in all elements. Currently assuming 13 credits | Design stage | Complete code material 1 calculating tool, showing the building elements at the design stage with the relevant Green guide element numbers and references stating the design or specific documentation used to complete the tool | |
| Mat 2 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 _____ What is the predicted number of credits? <input type="text" value="4"/></p> | 4 of 6 Credits | - | To achieve credits A minimum of 80% of all assessed materials in the following building elements should be responsibly sourced: Frame; Ground floor; Upper floors; Roof; External walls; internal walls; Foundations/substructure and staircase. Currently assumed 3 credits | Design stage | Complete code material to calculating tool, showing building elements at the design stage and detailed documentary evidence stating the materials specified in each element where materials are reused the following evidence will be required: documentary stating specific materials to be reused | |
| Mat 3 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 _____ What is the predicted number of credits? <input type="text" value="0"/></p> | 0 of 3 Credits | - | To achieve credit, A minimum of 80% of all assessed materials in the following finishing elements should be responsibly sourced: Stair; windows; external/internal doors; skirting; panelling, furniture and facias, etc. Currently assumed 0 credits | Design stage | completed code material 3 calculating tool, showing building the elements at the design stage and detailed documentary evidence stating that the materials specified in each element where materials are reused the following evidence will be required: documentary stating specific materials to be reused | |

| CATEGORY 4 SURFACE WATER RUN-OFF | | Overall Level: 3 | Overall Score | 60.75 | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
|--|---|------------------|---------------|---|--|---|
| % of Section Credits Predicted: 75.00% | | Credits | Level | | | |
| Contribution to Overall Score: 1.65 points | | 3 of 4 Credits | All Levels | | | |
| Sur 1 Management of Surface Water Run-off from developments | <p>Mandatory Requirement: 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. Tradable Credits: Where SUDS are used to improve water quality of the rainwater discharged or for protecting the quality of the receiving waters.</p> <p>Mandatory Requirement _____</p> <p>Will the mandatory requirement be met? <input checked="" type="checkbox"/></p> <p>Select the appropriate option _____</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 checked="" type="checkbox"/></p> | 1 of 2 Credits | All Levels | Assumed compliance with mandatory requirement. | <p>Design stage</p> <p>Mandatory elements:</p> <p>statement from the appropriate qualified professional confirming that they are qualified in line with the code definition. and</p> <p>the appropriate qualified professionals report containing all the information necessary to demonstrate compliance with the peak rate of run-off and volume of run-off requirements. The report should include:</p> <ul style="list-style-type: none"> -areas of permeable and impermeable surfaces on the site pre-and post-development -where the impermeable areas has increased post-development report should also include: - details of permability characteristics of the site pre-and post-development (e.g. infiltration test etc where appropriate) - peak rates of run-off (1/s) calculations for the 1 year and 100 year events, pre-and post-development, including an allowance for climate change over the development lifetime - detailed documentation evidence showing the method used to reduce peak rate of run-off to predevelopment rates - the predevelopment volume of run-off (m3) for the | |
| Sur 2 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>Select the annual probability of flooding (from PPS25*) _____</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>Select the appropriate option(s) _____</p> <p>Low risk of flooding from FRA** <input checked="" 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> | 2 of 2 Credits | - | This will need to be confirmed with a flood risk assessment | <p>Design stage</p> <p>For developments situated in zone one:</p> <ul style="list-style-type: none"> - flood risk assessment(prepared according to good practice guidance as outlined in PP S 25 development and flood risk) which shows that there is a low risk of flooding from all sources. - for medium (zone 2) or high (zone 3a) flood risk areas: - a flood risk assessment(prepared accordingly to good practice guidance as outlined in PPS 25 development and flood risk) which shows there is a medium or high risk of flooding and - site plans including the design flood level, the range of ground levels of the dwellings, car park areas and site access (lowest to highest), showing that the criteria (finished floor levels of all habitable rooms at access routes being at least 600 mm above the design flood level) are met, along with any notes explaining the function of any areas lying below the design flood level and - confirmation from the local planning authority that | |
| * Planning Policy Statement 25 - Planning and Flood Risk | | | | | | |
| ** FRA - Flood Risk Assessment | | | | | | |

| CATEGORY 5 WASTE | | Overall Level: 3 | Overall Score 60.75 | | |
|---|--|--|--------------------------|--|--|
| % of Section Credits Predicted: 50.00% | | Credits | | Level | |
| Contribution to Overall Score: 3.20 points | | 4 of 8 Credits | | All Levels | |
| | | | | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
| Was 1 Storage of non-recyclable waste and recyclable household waste | <p>Mandatory Requirement: 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. Tradable Credits are awarded for adequate internal and/ or external recycling facilities.</p> <p>Mandatory Requirement</p> <p>Will the minimum space be provided and be accessible to disabled people? <input checked="" type="checkbox"/></p> <p>Internal Recyclable household waste storage</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>Local Authority collection Scheme</p> <p>Post Collection sorting Internal storage (capacity 30 litres) <input checked="" type="checkbox"/></p> <p>Pre-collection sorting Internal storage (3 separate bins, capacity 30 litres) <input type="checkbox"/></p> <p>External Storage, no Local Authority collection scheme</p> <p>3 separate internal storage bins (capacity 30 litres) <input type="checkbox"/></p> <p>AND</p> <p>Houses 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> | <p>0 of 2 Credits</p> <p>4 of 4 Credits</p> <p>0 of 4 Credits</p> | <p>All Levels</p> | <p>Confirmation of mandatory requirements. Assumed: Provision of 3No internal recycling bins in each flat with a total capacity of 30litres and 3No external recycling bins to be sized based on collection frequency and where no Local Authority collection scheme is available for flats, a Private Recycling Scheme Operator will be appointed to to maintain and collect a minimum of three types of recyclable waste on a regular basis.</p> | <p>Design stage Mandatory element: provide table: cat 5.1- supplementary information sheet for WAS 1 and checklist 1DP where two credits are sought: detailed documentary evidence stating: - the location of internal storage - the number, type and size of internal storage where 4 credits are sought; detailed documentary evidence stating; - the location of internal and external storage - the number, type and size of internal and external storage and - a letter, leaflet, website or other publicised information from the local authority/waste scheme provider* describing: - the type of waste collected - the frequency of collection - if there will be pre-or post-collections sorting * in the case of an automated collection system, the waste scheme operator will only need to confirm the type of waste collected and if there will be pre-or post-collections sorting</p> |

| Issue | Credits | Level | Assumptions Made | Evidence Required |
|---|--|-------|-------------------|---|
| <p>Was 2 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: 10px 0;"> <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;">0 of 3 Credits</p> | | credit not sought | <p>Design stage - a copy of the compliant SWMP containing the appropriate benchmarks, commitments and procedures for waste minimisation and diversion from landfill in line with the criteria and with checklists was 2a, 2b and was 2c or confirmation from the developer that the SWMP includes/will include benchmarks, commitments and procedures for minimising and diverting waste from landfill in line with the criteria and checklists Was 2a, Was 2b and Was 2c</p> |
| <p>Was 3 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: 10px 0;"> <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;">0 of 1 Credit</p> | - | credit not sought | <p>Design stage detailed documentary evidence stating:</p> <ul style="list-style-type: none"> - the location and size of internal and external storage - that the information leaflet will be supplied - distance of storage from dwelling and completed checklist1DP <p>for communal/community composting schemes, detailed documentary evidence stating:</p> <ul style="list-style-type: none"> - distance of storage from dwelling - management arrangements - location and size of storage - details of scheme including open times and access |

* including if an automated waste collection system is in place

| CATEGORY 6 POLLUTION | | Overall Level: 3 | Overall Score | 60.75 | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
|--|---|------------------|---------------|--|---|---|
| % of Section Credits Predicted: 75.00% | | Credits | Level | | | |
| Contribution to Overall Score: 2.10 points | | 3 of 4 Credits | All Levels | | | |
| Pol 1 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 checked="" 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 type="radio"/></p> | 1 of 1 Credits | - | ALL insulation products utilised within the scheme for the following elements must be confirmed as have a Global Warming Potential (GWP) of less than 5. Roof, Walls: Internal/external, Hot Water Cylinder, Pipe Insulation, Cold Water storage tanks where provided, and external doors | <p>Design stage</p> <p>Completed checklist POL 1 showing the proposed insulation materials (or none) for each element and whether they are foamed using blowing agents or are unfoamed from (table cat 6.1)</p> | |
| Pol 2 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 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 checked="" 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> | 2 of 3 Credits | - | Assumed Gas Condensing boilers with a dry NOx level of less than or equal to 70mg/kWh (BS Class 5) Boiler specification to be confirmed. Where combination boilers used then review for less than 40mg/kwh | <p>Design stage</p> <p>Detailed documentary evidence describing:</p> <ul style="list-style-type: none"> - the primary and secondary heating system and flue type - dry NOx levels and/or boiler class of the primary and secondary heating system <p>Where NOx averaging is required due to the multiple heating system within the dwelling:</p> <p>Copy of calculations as detailed in the methodology based on design stage SAP outputs</p> <p>Where detailed documentary evidence is not available at this stage;</p> <p>- a letter of instruction to the contractor/supplier or a formal letter from the developer to the code assessor</p> | |

| CATEGORY 7 HEALTH & WELLBEING | | Overall Level: 3 | Overall Score | 60.75 | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) | | | | | | | | | | | | | | | |
|--|---|-------------------|-----------------------|--------------------------------|--------------------------|---|--------------------------|--|----------------------------------|---------------------------------|--------------------------|--|--------------------------|--|----------------------------------|--|--|----------------|---|---|---|
| % of Section Credits Predicted: 25.00% | | Credits | Level | | | | | | | | | | | | | | | | | | |
| Contribution to Overall Score: 3.50 points | | 3 of 12 Credits | No level | | | | | | | | | | | | | | | | | | |
| Hea 1 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 | - | no credit sought | <p>Design stage</p> <p>Copy of calculations as detailed in the methodology to demonstrate;</p> <ul style="list-style-type: none"> - Average daylight factor using the formula described in the definitions section (method described in Littlefair (1998) as set out in BS 8206 -2) or computer simulation of scale model measurements - Position of the nose skyline and percentage of area of working plane that receives direct light from the sky <p>Confirmation from the developer that the calculations accurately reflect the dwelling as designed.</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"/> | | | | | | | | | | | | | | | | | | | | |
| Hea 2 Sound 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 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 checked="" 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 type="radio"/> | Airborne: 3db higher; Impact: 3dB lower | <input type="radio"/> | OR Airborne: 5db higher; Impact: 5dB lower | <input checked="" type="radio"/> | OR Airborne: 8db higher; Impact: 8dB lower | <input type="radio"/> | 3 of 4 Credits | - | <p>Assumed Airbourne 5db higher and impact 5db lower as an improvement on the building regulations ADE2003.</p> <p>Where possible projects are to be registered with Robust Details Ltd</p> | <p>Design stage</p> <p>Where pre-completion tests will be carried out; a letter from the developer confirming they intend to:</p> <ul style="list-style-type: none"> - meet the relevant sound insulation performance levels use a competent test body to complete testing <p>Where robust details will be used;</p> <ul style="list-style-type: none"> - confirmation that the robust details chosen will achieve the required performance standards for sound insulation (as applicable) - confirmation that the relevant plots are registered with RDL (purchase statement) |
| 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 type="radio"/> | | | | | | | | | | | | | | | | | | | | |
| Airborne: 3db higher; Impact: 3dB lower | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | |
| OR Airborne: 5db higher; Impact: 5dB lower | <input checked="" type="radio"/> | | | | | | | | | | | | | | | | | | | | |
| OR Airborne: 8db higher; Impact: 8dB lower | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | |

| Issue | Credits | Level | Assumptions Made | Evidence Required |
|--|----------------|----------|-------------------|--|
| <p>Hea 3 Private Space</p> <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> <div style="border: 1px solid black; padding: 5px;"> <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> </div> | 0 of 1 Credits | - | no credit sought | <p>Design stage</p> <p>Detailed documentary evidence confirming:</p> <ul style="list-style-type: none"> - the number of bedrooms served by the outdoor space. - that the outdoor space meets the minimum size requirements <p>and</p> |
| <p>Hea 4 Lifetime Homes</p> <p>Mandatory Requirement: Lifetime Homes is mandatory when a dwelling is to achieve Code Level 6.</p> <p>Tradable credits: Credits are awarded where the developer has implemented all of the principles of the Lifetime Homes scheme.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Mandatory Requirement _____</p> <p>Dwelling to achieve Code Level 6? <input type="checkbox"/></p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <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> </div> | 0 of 4 Credits | No level | No credits sought | <p>Design stage</p> <p>Confirmation from the developer that all 16 of the lifetime homes designed criteria are met or where an exemption from lifetime homes criteria 2 and/or 3 is sought:</p> <ul style="list-style-type: none"> - confirmation from the developer that all other design criteria are met and <p>detailed documentary evidence demonstrating access routes subject to steep sloping gradients at predevelopment and completion.</p> |

| CATEGORY 8 MANAGEMENT | | Overall Level: 3 | Overall Score | 60.75 | | |
|--|--|------------------|----------------|------------|--|--|
| % of Section Credits Predicted: 44.00% | | | Credits | Level | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
| Contribution to Overall Score: 4.44 points | | | 4 of 9 Credits | All Levels | | |
| Man 1 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 | - | | <p>Assumed: A stand alone Home User Guide compiled using Checklist man 1/part 1 (must be available in alternative accessible formats) The guide must also cover information relating to the site and its surroundings, compiled using Checklist man 1/part 2</p> | <p>Design stage Where a home user's guide will be supplied covering operational issues only: - confirmation in the form of a letter from the developer or in the specification that the guide will be: - supplied to all dwellings within the development - be developed to the required standards (as a minimum including a list of contents showing that the guide will cover all the issues required in checklist</p> |
| Man 2 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 type="radio"/></p> <p><u>Considerate Constructors</u></p> <p>OR Best Practice: Score between 24 and 31.5 <input checked="" type="radio"/></p> <p>OR Best Practice+: Score between 32 and 40 <input type="radio"/></p> <p><u>Alternative Scheme*</u></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> | 1 of 2 Credits | - | | <p>Scheme to use best practice under Considerate Constructors with score between 24 and 31.5</p> | <p>Design stage For considerate constructors scheme: - specification clause or other confirmation of commitment from the contractor or developer to comply with the considerate constructors scheme and achieve formal certification under the scheme with either a pass score or a score of 32 points and above and - confirmation that registration with the considerate constructors scheme has taken place no later than the commencement of the construction phase. For an alternative local or national recognise scheme: The independent scheme assessor must complete checklist Man 2 (October 2010) and provide the assessor with a copy as evidence Note: the assessor must seek confirmation from the</p> |
| Man 3 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>- CO₂/ energy use from site activities <input type="checkbox"/></p> <p>- CO₂/ 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 checked="" type="checkbox"/></p> <p>- water (ground and surface) pollution on site <input checked="" type="checkbox"/></p> <p><u>80% of site timber</u> is reclaimed, re-used or responsibly sourced <input type="checkbox"/></p> | 1 of 2 Credits | - | | <p>Assumed as a minimum that policies and procedures are in place to monitor, report and set targets, and adopt Best Practice policies in respect of Construction Site impacts indicated.</p> | <p>Design stage Completed copy of checklist Man 3 (signed and dated) detailing the procedure that will be employed to minimise construction site impacts.</p> |

| Issue | Credits | Level | Assumptions Made | Evidence Required |
|---|-----------------------|----------|---|--|
| <p>Man 4 Security</p> <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 type="checkbox"/></p> <p>Credit not sought <input type="radio"/></p> <p>OR Secured by Design Section 2 Compliance <input checked="" type="radio"/></p> </div> | <p>2 of 2 Credits</p> | <p>-</p> | <p>It has been assumed that an Architectural Liaison Officer (ALO) or Crime Prevention Design Advisor (CPDA) from the local police force will be consulted at the design stage and their recommendations incorporated into the design of the dwelling</p> | <p>Design stage</p> <p>Detailed documentary evidence showing:</p> <ul style="list-style-type: none"> - that an ALO/CPDA has been consulted with to ensure that the requirements of this section 2 - physical security from the secured by design-new homes are met - the commitment to follow the advice provided by the ALO/CPDA. |

| CATEGORY 9 ECOLOGY | | Overall Level: 3 | Overall Score | 60.75 | Assumptions Made | Evidence Required (The below cells can be formatted by assessors if required.) |
|--|--|------------------|---------------|---|---|---|
| % of Section Credits Predicted: 33.00% | | Credits | Level | | | |
| Contribution to Overall Score: 4.00 points | | 3 of 9 Credits | All Levels | | | |
| Eco 1 Ecological 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 type="radio"/></p> <p>OR Land has ecological value <input type="radio"/></p> <p>OR Land has low/ insignificant ecological value* <input checked="" 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> | 1 of 1 Credits | - | Section dependent on scheme ecology, therefore, this section cannot be assessed at this time. | <p>Design stage</p> <p>Where using checklist eco 1, provision of:</p> <ul style="list-style-type: none"> - site visit report from the design team/assessor confirming details adequate to meet checklist eco-1 based on plans of the site and surrounding area prior to commencement of construction works/site clearance. where a suitable qualified ecologist is appointed; and a copy of the report or letter from the ecologist highlighting the information required as set out in the code for sustainable homes ecology report template and - detailed documentary evidence identifying the construction zone and any areas of ecological value outside the construction zone will remain undisturbed | |
| Eco 2 Ecological 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 checked="" type="checkbox"/></p> <p>AND Will all key recommendations be adopted? <input checked="" type="checkbox"/></p> <p>AND 30% of other recommendations be adopted? <input checked="" type="checkbox"/></p> | 1 of 1 Credits | - | Additional credit may be achieved where a Suitably Qualified Ecologist is appointed to recommend appropriate ecological features that will positively enhance the ecology of the site AND where the developer adopts ALL key recommendations and a minimum of 30% of additional recommendations. Subject to confirmation. Assumed that the contractor has appointed an ecologist and all key recommendations + 30% additional items achieved. | <p>Design stage</p> <p>A copy of the ecologists report highlighting the information required as set out in the code sustainable homes ecological report template and</p> <p>Detailed documentary evidence stating:</p> <ul style="list-style-type: none"> - how the key recommendations and 30% of additional recommendations will be incorporated into the design - planting schedule and any species to be incorporated from suitably qualified ecologist recommendation. | |
| Eco 3 Protection of Ecological 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 type="radio"/></p> <p>OR Site of low ecological value (as Eco 1)? <input checked="" 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> | 1 of 1 Credits | - | Section dependent on scheme ecology. | <p>Design stage</p> <p>Detailed documentary evidence* confirming ecological features present and how they will be protected</p> <p>* where compliance with the criteria is demonstrated by the relevant documents submitted to the planning authority which gain planning approval, these can be used as evidence.</p> <p>Where ecological features are being removed for health and safety and/or, conservation reasons;</p> <p>written evidence from an appropriate statutory body/arboriculturalist confirming the requirements to remove any features.</p> <p>Where ecological features are being removed and are of low ecological value;</p> <ul style="list-style-type: none"> - a copy of the ecologist report highlighting the information required as set out in the code to | |

| Issue | Credits | Level | Assumptions Made | Evidence Required | |
|---|---|----------------|------------------|---|--|
| Eco 4 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: | | | Section dependent on scheme ecology, therefore, this section cannot be assessed at this time. Current assumption is for the site to achieve a neutral impact, however this will need to be confirmed by the ecologist before these credits can be achieved. | Design stage The calculations completed by the assessor and supported by the following detailed documentary evidence: - proposed site layout - the predevelopment site survey, clearly indicating natural and built features on both the site and the land surrounding the site before the proposed development - landscape and plot categories (in accordance with the assessment methodology) with a list of site areas provided for both before and after the development. |
| | <div style="border: 1px solid black; padding: 5px;"> <p>Change in Ecological Value _____</p> <p>Major negative change: fewer than -9 <input checked="" type="radio"/></p> <p>Minor negative change: between -9 and -3 <input type="radio"/></p> <p>OR Neutral: between -3 and +3 <input type="radio"/></p> <p>Minor enhancement: between +3 and +9 <input type="radio"/></p> <p>Major enhancement: greater than 9 <input type="radio"/></p> </div> | 0 of 4 Credits | - | | |
| Eco 5 Building Footprint | Credits are awarded where the ratio of combined floor area of all dwellings on the site to their footprint is: | | | Section dependant on scheme design, therefore, this credit cannot be assessed at this time. | |
| | <div style="border: 1px solid black; padding: 5px;"> <p>Ratio of Net Internal Floor Area: Net Internal Ground Floor Area _____</p> <p>Credit Not Sought <input checked="" type="radio"/></p> <p>OR Houses: 2.5:1 OR Flats: 3:1 <input type="radio"/></p> <p>OR Houses: 3:1 OR Flats: 4:1 <input type="radio"/></p> <p>OR Houses & Flats Weighted (2.5:1 & 3:1) <input type="radio"/></p> <p>OR Houses & Flats Weighted (3:1 & 4:1) <input type="radio"/></p> </div> | 0 of 2 Credits | | | |