

# Code for Sustainable Homes



## The Code and SAP

A mandatory section of the Code is ENE 1, which is the SAP rating demonstrating compliance with Part L of the Building Regs. This requires that the DER (Dwelling Emission Rate) is less than the TER (Target Emission Rate).



Energy Saving Experts provide SAP calcs and can do so as part of your Code assessment, working on both has the advantage that we are there to advise and guide you through complying with this most critical part of the assessment.

## Code Report Checklist

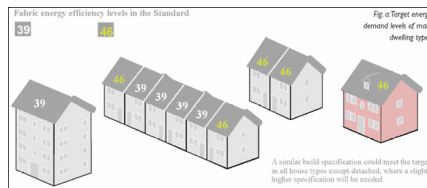
### SAP

For all our SAP assessments we will provide a Code compliant report that tells you exactly how your design performs against the Code. This can be used for a Code assessment in itself but also is a useful guide for any architect to know how their design performs to what is increasingly becoming a mandatory requirement for many Local Authorities.

## The Code and FEES

The Code category ENE 2 is another mandatory category for levels 5 and 6 of the Code only. This requires that the minimum Fabric Energy Efficiency Standard (FEES) is met and is perhaps the most challenging of the Energy Credits categories with the minimum figures to be achieved requiring high demands of the building fabric design.

For all our SAP assessments we provide a copy of the FEES report, more for information to our clients than anything else, we feel its good to know how your current designs are performing against this new standard, particularly because there are plans to introduce this into the Building Regulations from 2013 onwards.



As it is currently however, it is only a requirement to achieve this for Code levels 5 and 6, although some credits are available for lower standards to achieve the requirements for Code levels 3 and 4. Our Code Report Checklist details which credits are awarded and can also be used for the Code assessment.

## The Code and LZC Technologies

The final Code category covered in the Code Report Checklist is any credits awarded under ENE 7 Low and Zero Carbon Technologies.



This details the credits to be awarded for the percentage CO2 reduction due to the use of Low & Zero Carbon Technologies.

## Complimentary

The Code Report Checklist is provided even if a Code assessment is not taking place, and like the FEES checklist, we feel if our clients have the knowledge of where their design currently performs within these performance criteria, should the legislation change in future and it becomes mandatory to achieve these standards, our clients will be better informed.

## More information

For further information on the Code please read page 2 of this guide.

For further information on how **Energy Saving Experts** can help you, call 01225 862266

[www.energy-saving-experts.com](http://www.energy-saving-experts.com)

# Code for Sustainable Homes



## What is the Code?

The Code is the national standard for the sustainable design and construction of new homes. The Code aims to reduce our carbon emissions and create homes that are more sustainable.



The Code measures the sustainability of a new home against categories of sustainable design, rating the 'whole home' as a complete package. The Code uses a 1 to 6 star rating system to communicate the overall sustainability performance of a new home.

## Technical Guidance

The Code for Sustainable Homes: Technical Guide sets out the requirements for the Code, and the process by which a Code assessment is reached. It aims to make gaining a Code assessment as simple, transparent and rigorous as possible.

The latest version is the '2010' Technical Guidance which came into effect from November 2010.

As Code Assessors Energy Saving Experts understand the requirements of the Technical Guidance, and will take you through each step of the way.

## Is for you?

The Code assessment requires a lot of work and commitment from you. It is an evidence based assessment at both design stage and at a post completion stage, as such written evidence in the form of drawings and specification, letters of confirmations, product brochures etc are all required for various sections of the Code assessment. In the post construction stage we will visit a representation of the properties and check that what was designed to be built was actually completed.



Some Local Authorities require Code assessments depending on the number of dwellings to be built, others and those in Wales require an assessment for all new dwellings.

## Specialist Services

It's important also to know that other specialist services may be required depending on the credits to be awarded. In some credit categories these are mandatory, so services like Flood Risk Assessments, Surface Water Calculations, Ecologist Reports, Daylight calculations, and the services of an Architectural Liaison Officer from the local Police force could all be required. However, we arrange all this for you if required.

## The Code Categories

The Code has nine categories:

- Energy
- Water
- Surface Water Run Off
- Materials
- Waste Management
- Pollution
- Health & Wellbeing
- Ecology

In each of these nine categories there are specific credits to be achieved, some of these there are mandatory levels to be achieved before any Code rating can be awarded, after that all other credits are voluntary depending on the final level on the Code that is required.

Each of the Categories have a weighted scoring system, so for example, Energy, has the highest weighing due to its overall importance in sustainability, whereas Surface Water Run off has the lowest weighing but still maintains a mandatory level to be achieved overall. However, Code level 3, which is now the minimum level to which the Building Regulations Part L and the mandatory code category Ene 1 is to achieve, is the lowest level that is generally acceptable.

## Experienced

Energy Saving Experts have carried out a number of Code assessments, both on single dwellings and multi developments.

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