

62 Northcourt Road, Worthing BN14 7DT

Overview

Owners: Alesia & Duncan Moulton-Perkins

Type: Victorian Mid Terrace House

Age: 1905

Bed: 3

Walls: Brick

Area:

Residents: 2 Adults, plus AirBnB guests

Key Features

External solid wall insulation

Electric Car charging post

Solar PV

Other Features

Natural Materials

Condensing Boiler

Heating Controls

Double Glazing

Low Energy Appliances

Low Energy Lighting

Introduction and approach

There are many ways in which to bring comfort and reduced energy bills to your home. How do you decide which way to go and what motivates you to make that choice?

Alesia and her husband decided that **solid wall insulation (SWI)** was the right choice for them and after a lot of research, particularly to get the right amount of investment they decided to install it around the entire house, except for the front facia. The difference has been very noticeable and their level of home comfort has been worth the effort. They managed to get a lot of funding through Green Deal and while those options may not be available now, listening to Alesia on how they worked through the process, is detail well worth learning about if you are considering this insulation type.



If SWI is not your thing but you are considering an **electric car**, pop along and see how a **charging post** was installed here. This technology will become cheaper and more available, so don't buy another car until you have seen and learned more about electric cars and how cheap they are to run and how low on emissions they are. You may well be surprised.

Another electrical installation here is a **solar PV** set up. There are 6 panels generating 1.8 kW and as a result have led to the family switching their energy use from the evening to the daytime when their energy bill is free.

Visit here if you would like to understand more about your electricity options or you want a quiet few minutes in the beautiful simple low maintenance garden with its drip irrigation water system.

Energy efficiency measures

External solid wall insulation (SWI)

There are very few examples of Solid Wall Insulation (internal or external) that are

available to see and for those homes where insulation in the loft and cavity wall is not an option, then seeing first-hand what it is like to live in a home that has extensive Solid Wall Insulation is a rare opportunity.

SWI is a great way to literally blanket your home with a layer of insulation, and sometimes cladding can not only improve the look of the house but also add financial value as well as warmth. Here, comfort internally was the main driver and the rationalisation to go ahead and get the SWI. It was expensive, but in the long term whether Alesia and her husband stay or not, it is a good job well done and many of us may well have to face doing this at some time in our lifetimes.

The SWI makes the house look newly renovated and enables a very ambient temperature within the home.

Alesia did a lot of research and was eventually able to gain Green Deal funding which helped to knock £6100k off the final price. She also had a Green Deal assessment to help her understand what could be achieved in her home from an energy efficiency perspective.

Electric Car charging post

The cars of the future will be electric and Alesia and her husband were able to get the installation of their charging post free, so took up the option even though at this time they don't yet have an electric car. The free offer came about due to the Eco Homes Show held in the Brighton Centre. If you are new to electric cars, they are much better than you might think. If you can organise a road test in one, this comes highly recommended as they are very quiet but surprisingly performance high. Distances achievable on just one charge do exceed 200 miles today, so if you are thinking about buying a new run-around car, have a look at electric vehicles as well as petrol and diesel. The cost per mile to run can be as little as 5p a mile – The car future really is electric.

Solar PV

As you look at the house you will notice the solar installation on the front facing roof.

There are 6 panels installed generating 1.8kw of electricity, which have resulted in a complete change of lifestyle habits for the residents at no 62.

When the panels are generating during daylight hours they have switched to running their electrical appliances during the day, for example washing machine, dish washer etc. They even run them sequentially to ensure that every watt of electricity used is free from their own roof panels.

Natural Materials

The floorboards in the hallway needed to be treated, so Alesia spent some painstaking research to find herself a toxin free oil for the floorboards. The company have created natural oils that work in balance with nature. See www.osmouk.com for further information.

Condensing Boiler & Heating Controls

There is a condensing boiler with heating controller installed here

Double Glazing

The house is fully double glazed front and back

Low Energy Appliances

The house has many A+ rated energy efficient appliances

Low Energy Lighting

All the lightbulbs are energy efficient

Other Sustainable measures/ lifestyle choices

The back garden is a haven of tranquillity and has been created to enable a low maintenance but high impact environment. The garden has some fantastic bamboo growing and mulch is used to protect the soils and keep the need for watering at a minimum.

There is a newly installed drip irrigation system to enable even less maintenance with rainwater harvesting to follow as soon as possible.

