



A **Century** timber frame home is the most **energy efficient** home you can buy. That means it will be worth more in the future, it is kinder to the environment and more affordable to run.

In other words, it is **Future-Proofed**

www.century.ie



Kingspan Century is the largest,
most experienced timber frame
manufacturer in Ireland with
thousands of customers enjoying
warmer, more energy efficient homes

www.century.ie





A FUTURE-PROOFED HOME

A home is probably the biggest single investment you will ever make. It has to be thoughtfully designed, carefully built, expertly finished and now, crucially, it must be energy efficient.

When you buy a **Century** timber frame home you have invested in one of the most energy efficient homes in the country, a home that is **Future-Proofed**. This means it:

- **Will have a higher resale value in the future**
- **Is easier to heat and more affordable to run**
- **Is kinder to the environment**

Why will it have a higher value in the future?

Because a new EU directive on the energy performance of buildings is about to become law in Ireland. Now, for the first time, everyone will know the exact energy performance, or label, of their house. Buying a home will be just like buying a car or a fridge or a washing machine - efficiency will be everything. Buyers will compare properties, noting their energy ratings. Your **Century** timber frame home will have the highest possible energy rating and, therefore, it will be worth more.

Why is a Future-Proofed Century home easier to heat and more affordable to run?

Simply because it is insulated to the highest standard thanks to a more advanced form of construction. It takes six times* more energy to raise the temperature of a conventional masonry house one degree than it does your **Century** timber frame home. This means less oil, electricity or gas is needed to heat it. Over the course of its lifetime, your **Century** home will greatly reduce the amount of CO₂ generated and released into the environment.

Why is it kinder to the environment?

Because your **Century** timber frame home uses less cement in its construction. Cement is the worst environmental polluter of our generation - one ton of Portland cement produces one ton of CO₂** , which makes it a far worse source of atmospheric pollution than oil or any other polluting sector.

* Bill Quigley, NuTech Consultants

** www.ecocem.ie



Timber frame is now the **most popular method** of house construction in the Western World - **60%** of **all Scottish houses** are constructed **using timber frame**
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A FUTURE-PROOFED INVESTMENT

We have proven that by choosing a **Future-Proofed Century** timber frame home, you could save thousands of Euro on your heating bills. These savings could help to pay off your mortgage quicker.

Your **Century** timber frame home is **Future-Proofed**, not only because it is physically insulated to the highest standards possible, but because it is financially insulated too, as you will discover if you choose to sell it in the future.

When the EU directive on the energy performance of buildings comes into effect, buyers can compare the efficiency of one house with the efficiency of another. That means the value of poorly insulated homes will suffer in the new energy conscious era. This makes your **Century** timber frame home an even better investment, which should help you sleep sounder too.

There's more good news: As energy prices rise, you will be insulated against much of the added cost. This is because you will use comparatively little energy to heat your home.

A FUTURE-PROOFED ENVIRONMENT

A **Future-Proofed Century** timber frame home makes a better home - for you, the community, the environment, the planet and the global ecosystem.

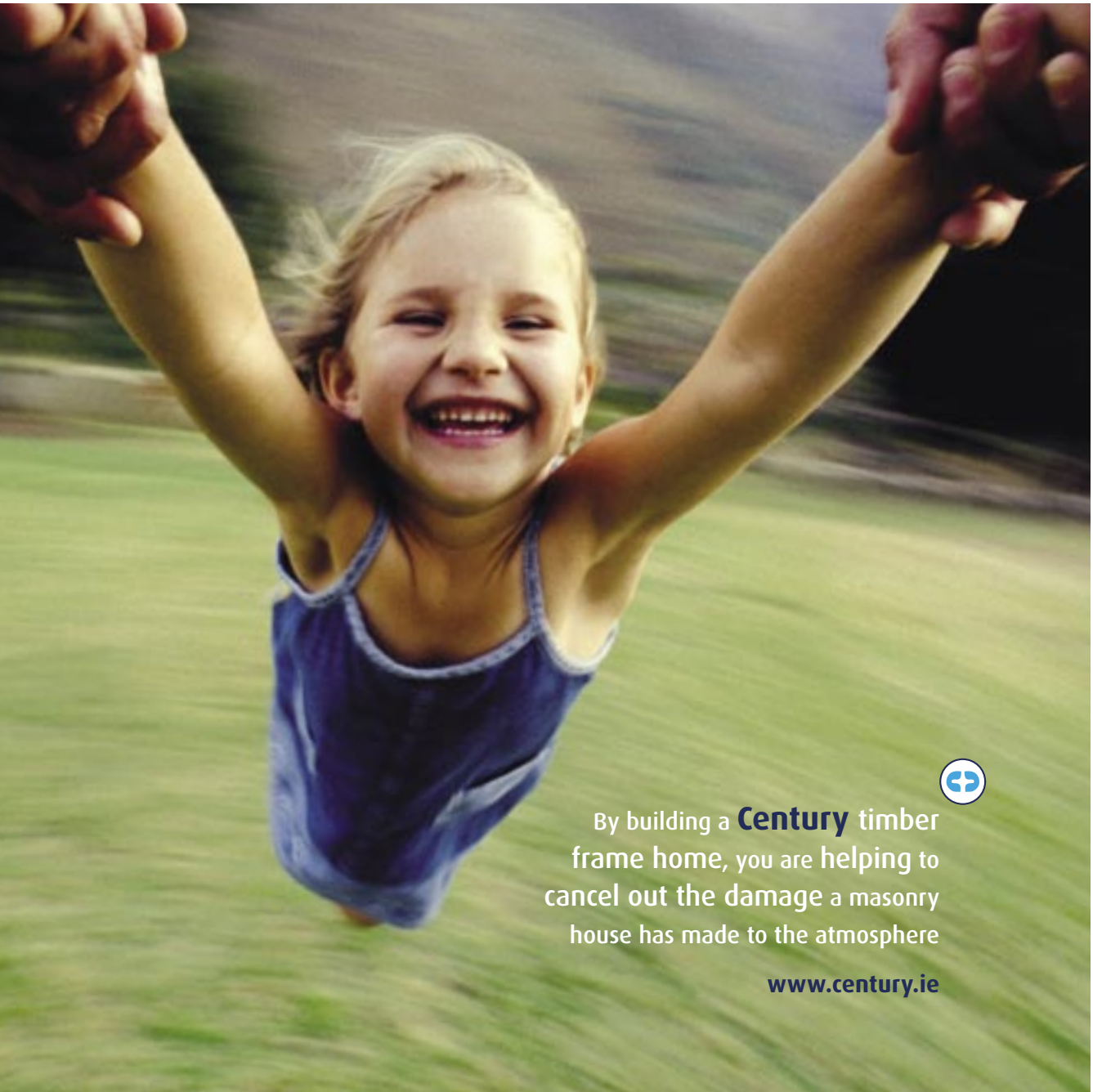
A **Century** timber frame home uses less cement in its construction. Portland cement is a major contributor to the increase of CO₂, this is one of the main gases causing global warming. Our buildings produce:

- **Far lower greenhouse emissions than steel or concrete**
- **Far less air pollution**
- **Far less water pollution**
- **Much fewer solid waste by-products**

Your house is much more energy efficient too so it greatly reduces the amount of CO₂ generated to heat the house over its lifetime. Timber is also:

- **Natural** • **Renewable** • **Non-toxic** • **Recyclable** • **Biodegradable**

Kingspan Century is one of the most environmentally-aware companies in the country. We have been awarded a highly-coveted ISO 14001 Certificate for Excellence in International Environmental Management Systems. It's our blueprint for excellence and we demand the highest performance standards from our suppliers. That includes only ever using timber from managed, sustainable forests.



By building a **Century** timber
frame home, you are helping to
cancel out the damage a masonry
house has made to the atmosphere

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A FUTURE-PROOFED LIFE

**What makes your Future-Proofed Century timber frame home such a safe investment?
Let's look at the small print...**

The European Directive on the Energy Performance of Buildings is designed to improve the energy performance in both new and existing buildings throughout Europe. All owners will have to present a certificate detailing the performance of their home to enable the prospective buyer or tenant to make an informed decision.

The EPBD (Energy Performance of Buildings Directive) certificate will also have an 'advisory report' setting out recommendations for improvements to the energy performance of the building. The certificate will show the purchaser how much it will take to heat their house and is expected to effect more than 150,000 residential sales or rentals every year.

Just think about that for a minute: Your **Century** timber frame home will have a very valuable EPBD certificate.

A **Century** timber frame home easily exceeds the building regulations regarding heat loss because, unlike masonry construction, the insulation in a timber frame home is contained inside the inner leaf, so no heat is lost through the blockwork. Timber framing is also the most efficient way to build a house.

In a study carried out by world renowned British Research Establishment (BRE), on behalf of a British government department (DETR), it has been clearly shown that concrete built homes have severe difficulty achieving the energy performance levels required under the building regulations. On the other hand the report states that timber frame houses do exactly what they say on the tin and perform much better than their masonry counterparts.

Ref: <http://projects.bre.co.uk/uvalues/U-values.pdf>



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