



# Choosing better, more **energy efficient** windows

A **homeowners** guide

A photograph of a woman and a young girl smiling through a window. The window is covered in raindrops, and the scene is set against a brick wall. The woman is wearing a yellow shirt, and the girl is wearing a pink shirt and holding a stuffed animal.

**The next windows** you choose could reduce **wasted home energy** by up to

**20%**

**Reduce** your energy bills and **cut down** on CO<sub>2</sub> emissions





# Save money.

## Be more comfortable

Selecting double glazing for your home is a major decision. It's an important, lasting investment in your property. You'll want to get it right. Fuel costs are rising. You need to create a comfortable home environment that remains affordable to heat.

If the windows in your home consist of single glazed or older double glazed units, replacing them with our energy efficient windows will save you money. It can reduce the energy you need to heat or cool your home by up to 20%.

### Not all windows are the same

Double glazed units from different sources may look similar at a glance - but don't be fooled. Not all windows are the same. If windows aren't efficient they lose valuable, expensive heat. Many units incorporate spacers using metal such as aluminium which acts as a thermal bridge, instantly conducting heat energy through the frame. Others compromise on the insulating quality of the glass or profile. In cold weather, heat energy escapes outside and is wasted. In warm

weather, the sun's heat travels through the window and frame making the room uncomfortable.

### Energy efficient windows - at the right price

Our energy-efficient window system brings together market leading components to deliver exceptional performance. This means quality glass from Pilkington, the UK leader in architectural glazing. Duralite, the best performing 'warm edge' spacer technology, is used in the sealed unit. Duraflex window profiles include Q-Lon weather seals, multi chamber construction, high security locking and stainless steel hinges.

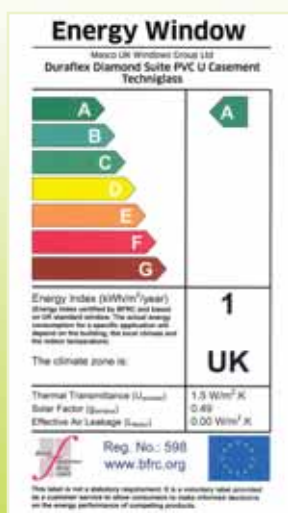
Compared to other glazing systems you'll use less energy to maintain a comfortable environment. With the rising cost of fuel, your fuel bills will be lower.

We guarantee to give you a better performing, more energy efficient window - at the right price.

## Understanding Window Energy Ratings

The British Fenestration Rating Council's Domestic Window Energy Rating Scheme provides a way to compare the energy performance of windows. Windows that achieve a C rating or higher can carry the 'Energy Saving Recommended' tag.

All our Energy Efficient windows achieve C rated or better energy efficiency. Put simply, they're the most energy efficient windows your money can buy.



Our energy efficient windows  
**reduce condensation** by as  
much as

**80%**



**Better insulation means a more comfortable environment.** Reducing condensation means less risk of mould, bacteria and risks to respiratory health



# A living environment with less noise and more style

## Reduces condensation

The air in homes often has a high moisture content. Whenever we cook, bathe or even breathe, we increase water vapour. When saturated air contacts a cold surface, condensation forms, promoting bacterial growth and mould. Both can compound respiratory problems such as asthma. With lower heat loss at the edges, our windows are typically 3-4°C warmer than those with metal spacer bars, reducing condensation by up to 80%.

## Cuts down noise from outside

In today's world, it is difficult to avoid external noise. Whether you live near a major road, under a flight path or near some vocal wildlife, noise pollution can be a cause of major disruption to your home environment. With double-glazed insulation and our high performance Q-Lon gaskets, Energy Efficient Windows will help reduce noise pollution from outside your home preserving your peace and tranquillity.

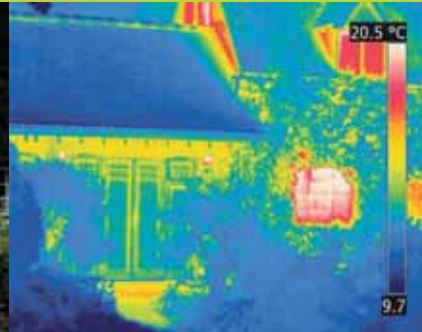
## Looks more attractive

Modern PVC-u and timber windows frequently include low line glazing beads and gaskets. Some protrude into the sightline and are visible at a window's edge. Our glazing system has a low profile. Because it's slim, it doesn't obstruct the sightlines making windows more attractive. In addition, the spacer surface reflects the colour of the window frame - becoming almost invisible.



## 10 year peace of mind guarantee

- To create the UK's most energy efficient window system, we combine proven technologies and components from world class suppliers.
- Better technology means a longer, maintenance free life.
- Every energy efficient window we install is fully guaranteed against failure for 10 years.



## Right system, right glass

The images above show just how effective fitting energy efficient windows to your property can be. The right hand side of the property still has the original windows - the reds and pinks show heat escaping. However, the new extension on the left is fitted with energy efficient windows, the lack of reds and pinks proving they help dramatically reduce heat loss.

## How we do it

### Innovative thinking to help you save

#### 1) Warm edge technology

Up to 80% of a double glazed window's energy loss occurs at the glass edge. Featuring warm edge technology, our windows are up to 22 times more efficient at preventing heat transfer around the perimeter.

#### 2) Pilkington Glass

By specifying the right Pilkington glass, we can keep your energy use down and exploit radiant heat from the sun.

#### 3) Q-Lon weather seals

Seals in our windows retain their original shape year after year to maintain weather tight performance.

#### 4) Multi-chamber construction and insulated beading

A multi chamber construction that's strong and highly thermally efficient.

#### 5) Bevelled or featured sash, frame and beads

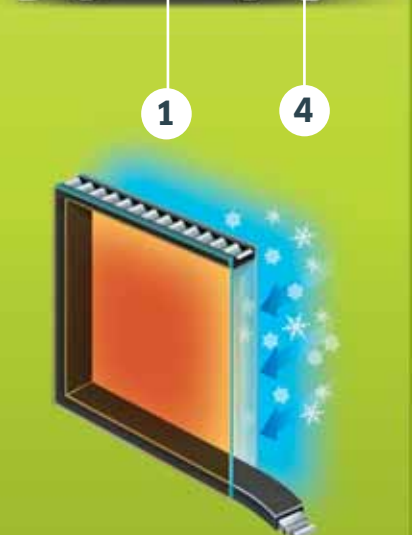
#### Other features include

##### Stainless steel friction hinges

High performance, superior quality.

##### High security shootbolt system

Peace of mind security that's easy to use.



DuraGreen - warmer inside glass temperature minimises condensation

Using less energy  
**means less**

**CO<sub>2</sub>**



Choosing energy efficient windows is a simple,  
practical way to **make a difference - today**





## Energy efficient windows can reduce your carbon footprint

Using energy for heating (or cooling) dramatically impacts the environment. Generating energy typically produces greenhouse gases such as CO<sub>2</sub>. The more energy we use, the more emissions we create.

Science suggests man-made emissions play a major role in global warming and, in turn, influence climate change. Home energy use alone accounts for 27% of UK carbon dioxide (CO<sub>2</sub>) emissions which contribute to climate change. By making buildings more energy efficient with windows, we can reduce energy use and prevent energy waste. In the UK alone, fitting better windows could reduce emissions by almost 5 million tonnes.

The Glass and Glazing Federation calculates that if all UK replacement windows installed were Band C rated (like DuraGreen windows) instead of the minimum building regulation specification, each household could save the equivalent energy to making 34,000 cups of tea!

**We all need to think and act greener. By insisting on our energy efficient windows, you'll help reduce greenhouse gas emissions. You can help in the challenge to combat climate change and make a lasting difference - today.**



**Fitting energy efficient windows** could save around 750kg of CO<sub>2</sub> per dwelling per year



### Our energy efficient windows let you...

- Use less energy
- Save on heating and cooling
- Be comfortable year-round
- Reduce condensation
- Reduce your carbon footprint
- Combat climate change
- Add value to your property





## Call us today

to see how you can cut your energy bills  
and add value to your property.