

# The first choice for windows, doors and conservatories

  
**DURAFLEX**  
MAKING THE DIFFERENCE





# Make your house a home

**Bricks and mortar may form the foundations of your house, but it's the doors and windows that really create your home's personality.**

So it's worth taking the time to make the right choices. Not only to achieve the perfect look, but also to choose products that will stand up to the demands of today's busy households.

With our comprehensive range of high quality PVCu windows, doors and conservatories, you can be sure to find the products that will suit your individual style. With minimal maintenance, and maximum durability, they'll suit your lifestyle too.



“Doors and windows can say a lot about your home – find your individual style.”



# Safety and comfort for every generation

As well as adding to the look of your home, your doors and windows need to offer you protection – both from unwanted visitors and the elements.

We offer state-of-the-art door and window locking systems to enhance your home's security and give you extra peace of mind. All of our products are manufactured using the very latest technology to regulate temperature and provide excellent insulation.

So you can feel safe, secure and comfortable, whatever the time of year.



“Our doors and windows have been designed to look good, but also to be extremely secure.”



## Safety in mind

All of our hardware is designed to offer you long lasting security and peace of mind.



# We've got the look

Contemporary or classic. Simple or ornate. Doors and windows come in all shapes and sizes, not to mention styles, colours and finishes.

We'll help you select the products that are right for your home - whether you're looking for a simple, elegant style, or a more ornate design, with decorative glass, panels or hardware.

Whatever you go for, our doors and windows not only look fantastic, they last for years. So as well as enhancing your environment, you'll be adding value to your home.



“We'll help you choose the products that are right for you.”



# State-of-the-art design features - built in as standard

“The highest performance windows and doors - we wouldn't put our name to anything else.”



When you buy any of our PVCu doors or windows, you'll be benefiting from a range of advanced design features which are built-in as standard.



All of our doors and windows are manufactured from the highest quality materials and finished to the highest possible standard. The result is great looking doors that really add that special something to your home.





# Packed with benefits

**Doors and windows that blend perfectly with the look of your home - but are incredibly easy to look after.**

Doors and windows that provide security, durability and insulation, without ever rotting, swelling, shrinking or warping - or needing to be repainted.

These are just some of the many advantages of our high performance PVCu range.

You'll find more detail about our doors, windows and conservatories over the next few pages.



# Windows



# Looking out has never looked so good

New windows can really enhance the look of your home, both from the inside and out. We offer a wide range of styles to suit both traditional and new build properties.

Opt for traditional white frames, or a natural woodgrain effect in golden oak, rosewood or mahogany. Then decide if you'd like Georgian, stained, diamond lead or bevelled glass.

What about the style of window? Vertical sliding windows are a really popular choice. These combine the traditional look of sash

windows, with modern features that make them very easy to clean, and extremely long lasting.

Whatever style you go for, you'll find our windows aren't just pleasing on the eye, they're practical too. Minimal maintenance means their good looks will last well into the future.



Combine the traditional and the modern with vertical slider windows.



“Attractive, durable and weather-resistant windows that complement the rest of your home.”



Manufactured to the highest standards, our windows are designed to stand the test of time.






# The new Sac shootbolt system - security you can rely on.

However important windows are to the style of your house, the security they offer is even more important. The more confident you feel inside your home, the happier you'll be...

Our new Sac shootbolt system is specially designed to be flexible and adaptable. It also takes pressure away from the hinges, ensuring a longer life for your windows. The tight seal guarantees superb weather protection too, so you'll feel safe and secure in every way.

- 8 Point locking system with unique corner drive design on all windows regardless of size.
- Unique full depth eurogroove lock-out design to maximise security performance.
- 400% more shootbolt contact area with keep when compared to traditional flat shootbolts.
- Modern contemporary design with options of composite or steel plated keeps.
- Unique anti-slip and lock detail to shootbolt head.
- Supaglide gear box action, tested to 100,000 cycles (equivalent to 30 years of heavy use).
- Rigorously tested to BS7950 and beyond to achieve Secure by Design status.
- Progress Plus - anti break-in guarantee for peace of mind.



**SAC SECURITY PROGRESS PLUS**  
Guarantee Scheme

1. Sac are confident that your windows, fitted with the Sac Shootbolt Lock and approved hinges will resist forced entry.
2. Should forced entry be achieved, Sac will pay a total of £1,000 to cover product replacement and inconvenience.



Top: Casement window  
Above: Mock Horn

“Safety, security and quality built-in, giving you complete peace of mind.”





# Hard wearing, durable windows. It's all in the design.



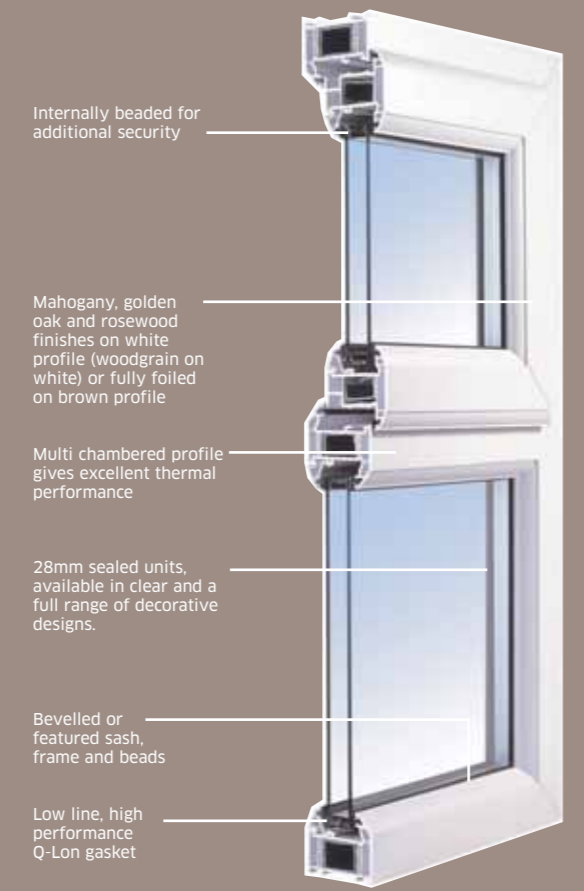
**When you buy any of our PVCu windows, you'll be benefiting from a range of advanced design features which are built-in as standard.**

Manufactured from high quality PVCu, all of our windows feature a multi chambered system which not only reduces heat transfer, but also drains rain water toward the outside of the pane.

All products are supplied with the innovative Q-Lon weather seals offering expanded performance over a wide temperature range. The unique construction actively absorbs sound pollution, increasing acoustic performance and has excellent sound properties.

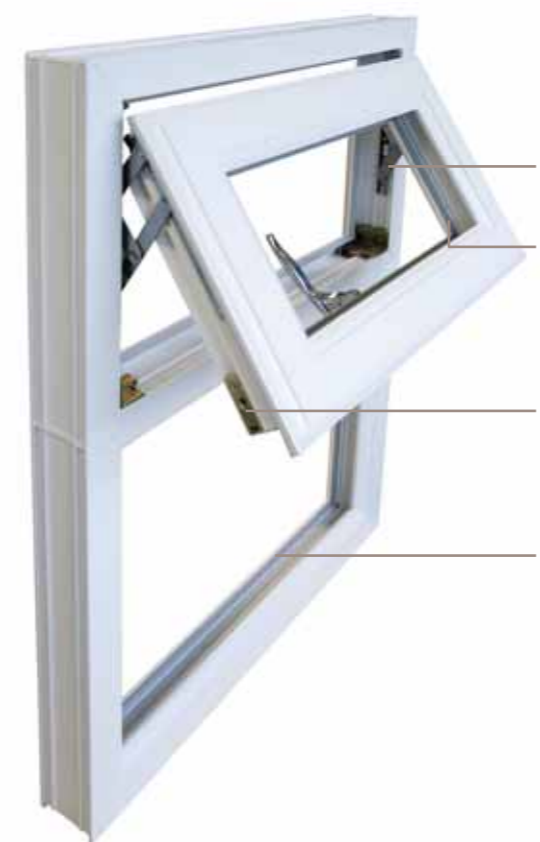
The result is great looking, hard wearing and easy-to-maintain windows that really add that special something to your home.

“The highest performance windows – we wouldn't put our name to anything else.”



### Finish options

The range is available in variety of finishes including white, rosewood, mahogany and golden oak which can be combined with your choice of glass design, including Georgian square, stained or diamond lead.



Stainless steel friction hinges offer high performance and quality

Warm-edged technology consists of a thermally broken spacer bar that improves the overall performance of an insulated glass edge unit and significantly improves thermal performance.

High security shootbolt system for peace of mind and ease of operation

Profile manufactured to BSEN12608 and window manufactured to BS7412/BBA certification





# Doors

Express your individuality with our specially designed range of arched and round windows.

**Attractive, durable and weather-resistant windows that complement your home and are kind to the environment.**

Why choose between elegance and practicality when you can have both? After all, the right window can make all the difference to a room, so it's important for it to look the part – and be reliable and cost-effective, too.

Contemporary or classic, white frames or wood grain, stained or beveled glass... it's up to you. And whatever you choose, you can expect minimum up-keep and maximum efficiency. Style and performance – the best of both worlds.

### Our glass - efficient and tough

A variety of sealed units can be supplied enabling casement windows to be provided with 'U' values as low as 1.3 W/M2 resulting in lower fuel bills.

Patterned, Georgian, stained and leaded glass units are available, as are toughened or laminated glass which increases impact resistance over standard glass.

All glass and sealed units meet the requirements of BSEN 1279 parts 2 & 3, BSEN 12150 and BSEN 12600 as appropriate.

Argon - filled units are available where thermal efficiency improvements are required.

Duraflex products are BFRB rated and carry the Energy Saving Recommended logo. For more information take a look at the section at the back of this brochure...







# Open your home up to a whole new look

**Front doors, patio doors and French-style doors - they can all have a big influence on the look and character of your home.**

The right front door can create a great first impression when you enter your property. Patio or French-style doors are a great way to open up a room - and invite the outside in.

We offer all these options in a wide range of finishes - from PVCu doors to composite ones, from simple glazed designs to more ornate styles, with decorative glass or paneling. As well as being beautifully made, each door is designed to stand the test of time. So they not only work superbly as a barrier, they also enhance your home too.



Our composite doors are designed to replicate the look and feel of traditional timber, whilst our PVCu doors blend perfectly with any choice of window systems. Both choices of door are extremely low maintenance and long lasting

“Doors that not only act as a barrier, but enhance the look and character of your home.”





# Styles and finishes that meet your every need

“Modern design techniques and the latest technology, ensure you get the best in class”



When it comes to choosing a door from our range, there's almost no end to the possibilities. Whatever style your home, we've got something right up your street.

Maybe a large, generous patio door is right for you, or perhaps something in the composite range? Or are you looking for the elegance of our French-style doors?

Whatever you opt for, our extensive range of styles and finishes – including glass and panel designs – means you can be sure to find just what you're looking for.

## Bi-fold doors

Even the darkest of rooms can be transformed with wide expanses of glass. Our Bi-fold doors are both warm and secure with energy efficient seals and security locks. Let the light flood in.



## French doors

Throw open French doors and invite the garden, terrace, balcony or country views inside. A breath of fresh air for your kitchen, lounge or dining room, these beautifully made doors come in a range of styles, colours and finishes to blend naturally with any home.



## Patio doors

Bring the garden closer to the house and use it like another room. With easy access in summer and a wonderful view in winter, a patio door adds light and air to life – all year round.





# Keeping you safe and secure

Doors are at the heart of your home's security, and we design our products to ensure that visitors to your home are only the welcome ones.

Not only do all our doors meet industry standards, but we also work closely with the police under the 'Secure by Design' scheme to make sure our customers enjoy the best possible protection and peace of mind.

So whether it's our enhanced security hinges, state of the art sashlifter lock or innovative anti-lift hook bolts, our dedication to security is second to none.

In addition, all of our patio and French doors are available with easy operating panels and a low threshold, making them ideal for those looking for easy wheelchair access.



Top: Low Threshold doorways enable easy wheel chair access



#### Centre Hook bolt

- Extra level of security in centre of door with lock and deadbolt.
- High level of security.
- Sashlifter mechanism.

#### Adjustable roller

- Provides a tight weatherproof seal down the full length of the door.
- Increased smoother and lower operational forces.
- Less wear on hooks.
- Adjustable for perfect alignment.



#### Sashlifter lock

The sashlifter lock has been designed to meet a range of requirements specified by PVCu door producers and delivers a number of performance benefits. The unique sashlifter mechanism ensures the lock is continually fully engaged throughout its working life

#### Top and bottom hook bolt

- Reverse hook bolts for anti-lift.
- Assists door compression with additional roller cams.
- High level of security against attack.





# It's the detail that counts

What sets our doors apart is attention to detail. From the construction of our doors to the quality of our glazing, hardware and accessories, you can expect the very best.

It's often those extra special touches – a classic door knocker, or distinctive letter plate – that can really make the difference. A well-made door says something to the outside world.

But it's not all about looks – durability and easy maintenance are just as important. All our finishes simply wipe clean, and our quality materials won't rot or warp. So you can be sure that your door will last.



Duraflex products are BFRB rated and carry the Energy Saving Recommended logo. For more information take a look at the section at the back of this brochure...



## The choice is yours

Create a great first impression with our stylish selection of door accessories. From pad handles to scroll handles in a choice of colours including chrome, gold and black. These can be combined with matching letter plates, numbers and knockers to make coming home a joy.



## Our glass - efficient and tough

A variety of sealed units can be supplied enabling casement windows to be provided with 'U' values as low as 1.3 W/M2 resulting in lower fuel bills.

Patterned, Georgian, stained and leaded glass units are available, as are toughened or laminated glass which increases impact

resistance over standard glass.

All glass and sealed units meet the requirements of BSEN 1279 parts 2 & 3, BSEN 12150 and BSEN 12600 as appropriate.

Argon - filled units are available where thermal efficiency improvements are required.



# Conservatories





# A wonderful way to extend your home



**Most of us could do with more space and light in our homes – and what better way to achieve this than with a new conservatory?**

Conservatories have more benefits than you might think. They don't just provide lots of extra room, our choice of insulating glass means your new conservatory will retain heat in the winter and remain cool in the summer, creating a more comfortable space for you to enjoy all year round.

With a variety of styles to choose from – ranging from contemporary to more classic designs – you're sure to find just the right way to bring the garden into your home...and your home into the garden!



Create a unique living space for entertaining or a space to simply relax in after a hard day. A new conservatory can be enjoyed all year round, whatever the occasion or mood.



“Well-insulated, cleverly constructed conservatories, that are comfortable places to relax in, all year round.”



# A versatile space for all occasions



Play room, sun room, living room or office – good design and state of the art materials will make your conservatory the perfect place.



When choosing your conservatory why not personalise it with furnishings and accessories.

1. Traditional Rod and Boss tie bar
2. Low voltage ridge lighting
3. Ceiling fan
4. Tiled flooring

## Deciding which style of conservatory is right for you can be fun – even if it's not always easy.

First you'll want to consider how best to complement your home, and what you really hope to get out of your new room. Will it be a study, perhaps, or a playroom? Or maybe you just want a bit more space to relax...

When it comes to what you want, you're the expert! So once you've thought about your lifestyle, and how a new room can reflect that, we can help you choose the right conservatory.





# Choosing your style



## Victorian

A popular style distinguished by a faceted front, giving a curved appearance. A particular favourite with period properties, however it's clean lines make this a winner on any type of home.



## Georgian

A flat-fronted style that offers excellent use of floor space due to the square or rectangular internal shape. It's sloping roof and contemporary style is suited to the majority of properties.



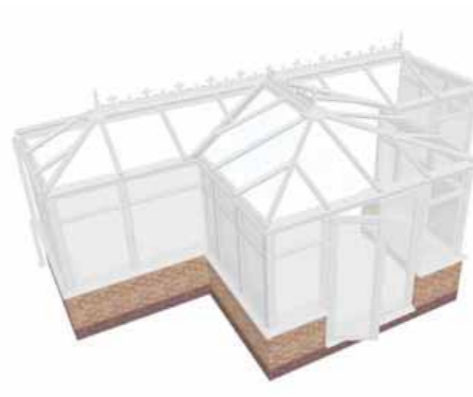
## P-Shape

A P-Shape can combine a Lean-To and a Victorian to create a versatile and visually stunning open space. Due to the proportions needed, this style is better suited to larger properties, giving an impressive result.



## T-Shape

As with the P-Shape, this style is more suited to larger properties. A combination style that's distinguished by a central projection that can either be a Victorian, Gable or Georgian. A T-Shape offers a large and versatile floor space and is an impressive addition to any home.



## Gable

A gable-fronted conservatory adds a sense of grandeur to any home. Featuring the same rectangular floor space as a Georgian, a gable offers excellent use of internal space. The front panel of the roof remains upright rather than sloping back, to create a feeling of greater height within the conservatory.



## Lean-To

For properties with little room under the eaves or for those homeowners that prefer a clean simple look, a Lean-To conservatory is the ideal choice. The pitch of the roof can be varied, making this a versatile and ever-popular option.



## Lantern

The 'original' conservatory style, a Lantern ensures drama and grandeur. Distinguished by the two-tiered feature roof, the height within a Lantern adds an extra dimension to the feeling of light and space. A popular choice for swimming pool enclosures.



## Custom

Although the shapes and designs shown are all bespoke, you may have your own 'one-off', exceptional or unique idea. The doors, windows and roof systems in this brochure combined with our expertise should allow you achieve that dream.





# Whatever the weather



When planning how to make the most of your conservatory, there's a lot to consider - its size, shape, and of course, how much sun it gets.

Our heat reflective glass will ensure you enjoy your conservatory all year round. Its unique coating reflects almost twice as much solar energy as standard glass, and reduces the glare on those bright sunny days.

And because it's designed specifically for British weather, it doesn't just perform in summer. It also has special 'spacer technology' to retain heat and increase the edge temperature by up to 65%, so you can enjoy your new conservatory at just the right temperature - whatever the weather\*.



The unique coating reflects about 69% of total solar energy. Almost twice as much as standard glass.



Reduce potentially expensive heating bills. Our product outperforms standard glass by more than 50%.



Warm edge spacer technology increases the edge temperature by up to 65%.



This product is a world first, offering true self-cleaning glass that never stops working.



Glare is reduced by 44% all year round compared to standard units.

\*Dependant on specification

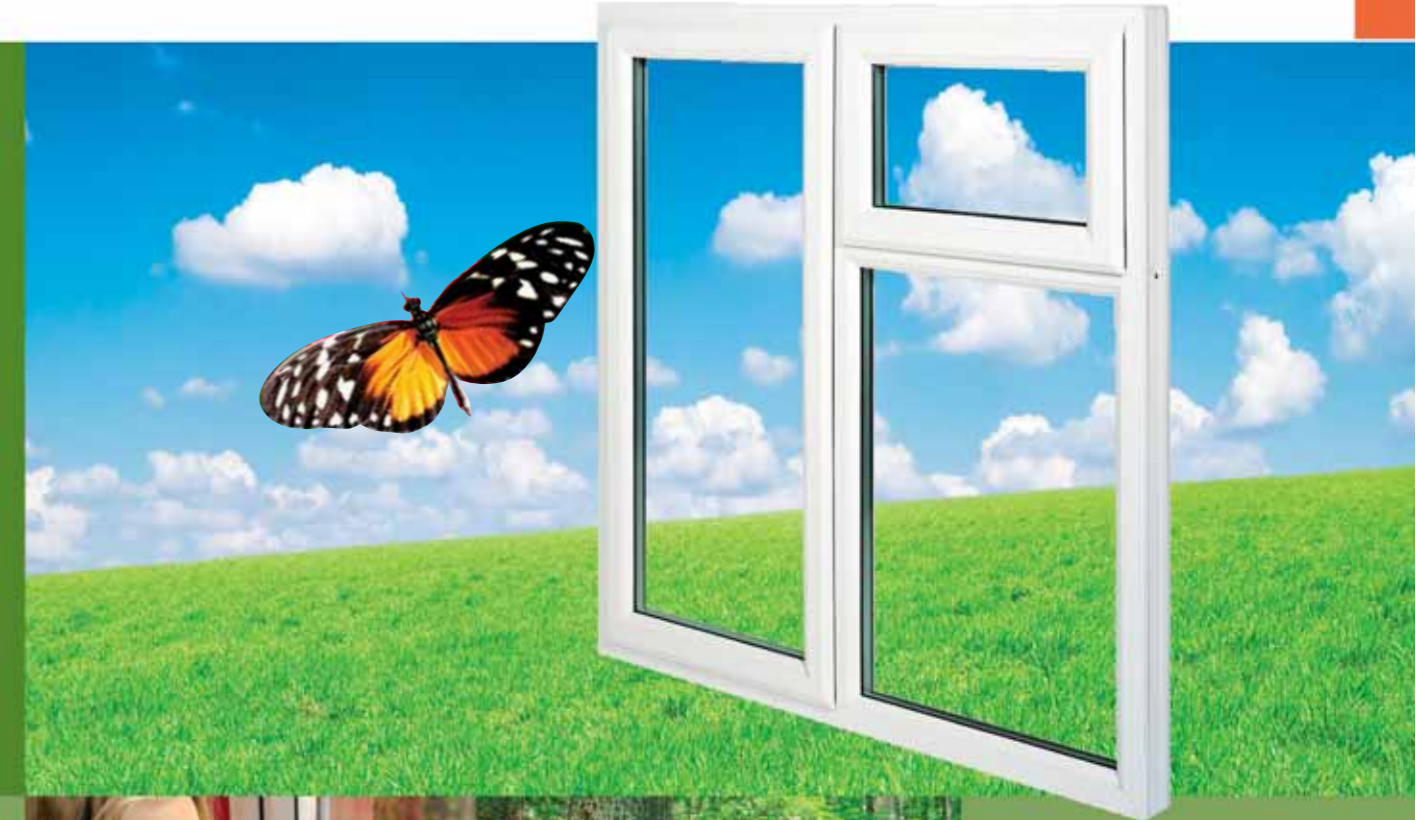


# Energy efficient windows - the clear winner

With rising energy costs, fuel costs and living costs, the last thing you want to do is throw valuable money out of the window.

But that is exactly what you could be doing if your windows aren't energy efficient. Significant advancements have been made in recent years to ensure the windows you install in your home retain heat and reduce the amount of energy you use. With visible benefits for both the environment and your pocket, it's clear to see why energy efficient windows are important, so how do you choose the best ones for you?

The Duraflex process of continuous development means that all windows supplied meet, as a minimum, the requirements of current legislation. In addition, the Duraflex Diamond casement suite has been registered with BFRC which enables the supply of A, B and C rated windows if required.





# Take the environmental choice and breath easy

Energy Window	
Masco UK Windows Group Ltd Duraflex Diamond Suite PVC U Casement Techniglass	
	C
Energy Index (kWh/m <sup>2</sup> /year) <small>(Energy Index certified by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)</small>	-13
The climate zone is:	UK
Thermal Transmittance (U <sub>window</sub> )	1.6 W/m <sup>2</sup> .K
Solar Factor (g <sub>window</sub> )	0.45
Effective Air Leakage (L <sub>air</sub> )	0.00 W/m <sup>2</sup> .K
Reg. No.: 607 	
<small>This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.</small>	



### BFRC - What's it all about?

The Government has set itself a specific target of ensuring all new homes built after 2016 are zero carbon. This is in addition to the general requirement of an overall carbon emission reduction as set out by the Kyoto agreement.

To highlight this topic and enable a system which is both an independent source of information and also easy to understand, the BFRC (British Fenestration Rating Council) working in conjunction with the Energy Efficiency Council, have created a performance label clearly defining the energy efficiency of windows from any manufacturer.

Launched in March 2004, the Window Energy Rating label is similar to that used on many white goods in our homes, such as fridges and washing machines. Windows are scored on a scale of A - G, with an A rated building product being more energy efficient than one which is G rated.

This allows individuals to quickly and easily choose the windows most suitable for their needs.

In an ideal world, A rated windows would be installed in each home in the UK. However, recognising that a balance needs to be made between the availability and cost-effectiveness of such products, those which are given a rating of C and higher are recognised as energy efficient, and can officially be endorsed with the Energy Saving Recommended logo.



### When choosing energy efficient windows, here are a few points to consider;

- Minimum C rated under the BFRC Windows Energy Rating guidelines.
- Energy Saving Recommended logo.
- Reputable fabricators.
- Expertise in design.



### Selecting a manufacturer - what to look for

With so much choice in the marketplace, it's hard to know where to start. If you want your windows to have a positive impact on the environment, choosing a reputable installer is a good place to start. Individual workmanship can affect the benefits of installing energy efficient windows; choose a company with the credibility and expertise to guarantee a first-class installation.

Our energy efficient windows are produced using the award winning BBA and BFRC approved Duraflex profile systems to give you complete peace of mind.

Our impact on the environment is something we take very seriously. We have taken significant steps to reduce both our energy usage and the amount of waste generated during our manufacturing process, whilst increasing the amount that we re-cycle.

This resulted in Duraflex achieving the ISO 14001 Environment Management System and also being awarded the Regional Business of the Year Award in recognition of the strides forward that have been made environmentally.







**What does this mean for the environment?**

The Window Energy Rating Scheme, governed by an independent body, allows you to make a fully informed choice about the windows you choose for your home. From an environmental perspective, the windows you choose can reduce your household CO<sub>2</sub> emissions by over 100m each year, helping

you significantly lower your carbon footprint. Not only does this have a positive effect on the world outside, but also for the environment inside your house. The advancements in building product technology increase the amount of useable living space by eliminating drafts and cold spots.

**What does this mean for your pocket?**

Energy efficient windows may cost more initially, but will improve comfort and save both energy and money. During the lifetime of your energy efficient windows, the cost of heating could outweigh the purchase cost by thousands of pounds. With up to 20% of a homes heat being lost through inefficient windows and doors, the savings you make could add up to more than £150.00 per year.

energy efficient windows becomes clear to see. From late 2007, any home for sale will be given an environmental rating and will be sold with an Energy Performance Certificate.

Simply changing your standard windows and doors to those which are energy efficient will have a lasting and positive effect for the lifetime of your home. It's a small step which we all can take to ensure a better life now and in the future.

Take into consideration the increased use of space in your home and reduced lighting costs, and the benefits of choosing

# Duraflex – quality and innovation as standard

**The Duraflex range of profile is manufactured to the highest quality standards and is at the forefront of product development and innovation.**

The Duraflex product range is also the result of immense design and manufacturing experience combined with continual monitoring of customer requirements across the entire marketplace, from fabrication, installation, specification and the end user. This has resulted in our ever evolving PVCu systems providing industry leading innovations in design aesthetics, with both technical and practical advantages.

All products conform to British and European standards with regards to manufacture and performance.

Furthermore, the 'Secure by Design' accreditation for products and hardware is an achievement which fully justifies the company's policy of continuous quality control and development.



Window Systems Profile Accreditations



\* Duraflex reserves the right to make any technical changes to any ongoing improvements to its window systems.





Designed and produced by The Lines Group Ltd, Cheltenham [www.linesgroup.co.uk](http://www.linesgroup.co.uk)

  
**DURAFLEX**  
MAKING THE DIFFERENCE

 **Mixed Sources**  
Product group from well-managed  
forests and other controlled sources  
[www.fsc.org](http://www.fsc.org) Cert no. SCS-COC-003413  
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