Chigwell
WINDOW CENTRE
PART OF THE CHIGWELL GROUP

ALUMINIUM PRODUCTS

BI-FOLD DOORS | SLIDING DOORS | WINDOWS | ROOF PRODUCTS

020 8500 4900

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ABOUT US

OUR SHOWROOMS

Chigwell Window Centre has two showrooms where you can get advice from our knowledgeable staff and see many of our products in person.

The first showroom was opened at our head office in the Hainault Business Park in 2014.

Due to the Hainault premises popularity Chigwell Window Centre opened a second showroom in Collier Row in March 2016 and is now the “go to” place in the area for anyone looking for new bi-fold doors, windows and roof products.

Inside you will see examples of many of the products which we sell and get advice from our knowledgeable staff.

So if you are planning an extension or looking to replace your windows or doors you can speak to us in the comfortable surroundings of one of our showrooms.

THE FACTORY

All of our products are manufactured in-house so we can take full responsibility for the quality of all of our range. State of the art machinery, and highly trained staff enables us to produce a high volume of premium quality bespoke products every week.

The fact that our products are manufactured in-house also allows us to ensure each and every one of our range meets our high quality demands and checks before it leaves the factory.

The whole production process is undertaken by our skilled staff who take pride in producing products to the very highest standard.

OUR PROCESS

OUR PROCESS

When deciding on the products you wish to purchase from Chigwell Window Centre you have the choice of either coming into one of our two showrooms to discuss your requirements or we can send one of our experienced sales staff to visit you in your home.

1 Visit one of our showrooms, or we can come and see you

2 Design quotation and payment schedule

3 Free on site survey

We will go through all the options for your chosen products, discuss design, colours and accessory choices. Once you have decided which Chigwell Window Centre products you wish to purchase we complete all the paperwork and take a deposit so that we can put your order into production.

We then arrange a site survey date. When we are contracted to carry out the installation, we will always undertake an extensive full site survey beforehand. This allows us to ensure that all aspects of the job run smoothly, guaranteeing a perfect finished project and maximum customer satisfaction.

4 Book an installation date 020 8500 4900

An installation date is then agreed and once you are happy that all the work has been carried out to your satisfaction we then ask you to pay the balance of the agreed purchase price.

You will then receive our 10 year guarantee certificate and your FENSA certificate will be forwarded to you in a few weeks after installation.

5 Deliver, fit and enjoy

6 Our guarantee to give you peace of mind

> “Buying from Chigwell Window Centre could not be simpler”

FAQS

FREQUENTLY ASKED QUESTIONS

Q: Are the bi-fold doors top or bottom hung?
The doors run on a bottom track but are guided by two wheels at the top.

Q: What threshold options are there?
We offer two threshold options, standard and low. Standard threshold is recommended for external use and comes with a 100% weather proof rating; and the low threshold is recommended for internal use only as it is not weather proof.

Q: Where are your aluminium products manufactured and designed?
Our aluminium products are designed and manufactured in our Hainault factory.

Q: What guarantee do your bi-fold doors come with?
Our door system frames come with a 10-year manufacturer's guarantee, subject to the compliance of our terms and conditions.

Q: What colour options do you offer?
You may choose from the full range of RAL colours plus oak & mahogany effect including dual colour options for all frames and hardware.

Q: What is the maximum height of the bi-fold door system?
The maximum height including, the frames are 2400mm with the multipoint locking system.

Q: What is the minimum & maximum width per bi-fold door leaf?
Minimum 600mm if there is an odd number of doors and 700mm if there is an even number of doors all folding one way. Maximum 1000mm per door leaf.

Q: What is the lead time on aluminium orders?
The lead time is usually around 5 – 6 weeks for supply and fit.

Q: What is a U value?
A U-Value is a measurement of insulation in general the lower the value the more efficient the window as less fabric heat is lost through the glass or frame.

Q: What is the standard glass used in your Bi-folding doors?
We use a very high thermal performance 28mm unit comprising of toughened glass with low E soft-coat and warm edge spacer and argon gas filled to give a very low U value.

ALUMINIUM

Aluminium is fast becoming the first choice for the discerning homeowner when deciding on the material for their bi-fold doors, windows and roof products.

Chigwell Window Centre is a leading manufacturer, supplier and fitter of a wide range of aluminium products and our factory in the Hainault Business Park has a dedicated team and department who specialise solely in the production of our aluminium range.

WHY CHOOSE ALUMINIUM?

Aluminium is renowned for its light weight and high strength and for that reason can be found in a whole host of everyday products around the home.

Due to its long life and extremely low maintenance requirements, aluminium has become the perfect choice for home owners when selecting new or replacement doors, windows and roof products.

Chigwell Window Centres preferred profile supplier for bi-fold and sliding doors and windows is Smart Systems, who have over 35 years' experience and are the leading supplier of window and door systems in the UK, and our roof solutions for our lanterns and other roof products.

smart architectural aluminium

ATLAS MORE SKY LESS ROOF™

Smart Systems develop and supply to a large UK network of manufacturers and installers and take great pride not only in the quality, breadth and depth of their product ranges, but also in their design expertise and dedicated support services.

All Smart Systems are designed with performance, looks and efficiency in mind, with each frame incorporating a 'thermal-break'. This effectively insulates doors and windows against heat loss, raising a home's internal temperature and helping to reduce the risk of condensation.

Our lanterns offer exceptional benefits unmatched by any other roof on the market. The internal and external design compliments any home whilst flooding any room with maximum light.

Maintenance for aluminium is simple and straightforward, with just a routine 'wipe-clean' that is all that is required to keep the products looking their best. With no requirement for re-painting or re-varnishing, aluminium windows and doors will never fade, deteriorate or rust, even in harsh environments, such as coastal locations.

BI-FOLD DOORS

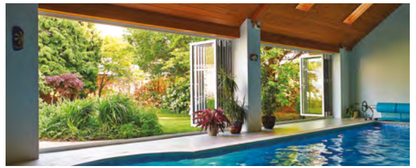
BI-FOLD DOORS

ALUMINIUM VISOFOLD 1000

The bi-folding door is today one of the most desirable home improvement products after your new windows. No other glazed product offers the flexibility and desirability that a bi-folding door can and how it can transform a kitchen, living room or any room in the home.

The great advantage to aluminium bi-folding doors is that they can be made wider, larger and taller than their PVCu counterparts. Other advantages of bi-folding doors in aluminium are:

- Aluminium is a stronger material therefore uses less bulky hardware than PVCu.
- Aluminium thresholds are lower than PVCu. This means no inconvenient "step over" often found in PVCu doors.
- Aluminium doors are acknowledged as far more reliable longer term as they will not expand and contract like PVCu.
- Aluminium is more expensive but will be the more cost effective solution longer term.



The Visofold 1000 bi-fold door is one of the most popular bi-fold door systems currently supplied in the UK. It can be used in domestic applications as either an alternative to sliding doors, or to open up an entire wall as part of a conservatory; the system will make the most of a beautiful view or bring a garden into the home.

Used commercially in a bar, café or restaurant, Visofold can create a glazed screen that allows in the maximum amount of light in bad weather, and will also easily glide to open up an entire wall in warmer weather.

Visofold 1000 doors offer a choice of openings to suit any application. When folded, door sashes can sit internally or externally. There are many door configurations, please refer to Page 15.

All Visofold profiles feature a polyamide thermal break that enhances the thermal performance of the profile and improves the overall U-Value. Profiles feature EPDM high quality gaskets and weather brushes to aid weather resistance.

Aluminium is a very durable and does not bend, rot or rust – the ideal material for bi-fold doors.

Visofold complies with the requirements of Building Regulations Document L 2010. Security is assured by multi-point lock mechanisms on main opening sashes, and shoot-bolt locking on floating mullions.

All Visofold doors have the option of either low threshold for unimpeded, easy access, or rebated thresholds that offer improved weather resistance.

The low thresholds are designed for internal doors and doors in sheltered locations. Today many home owners are choosing to use these low thresholds even in exposed locations. The advice for these clients is simple only the rebated threshold has a weather rating guarantee.

All of the low thresholds installed in exterior doors run the risk of water and wind penetration in extreme weather conditions. We will of course do our best to reduce this possibility but home owners are the people who accept that this could be a problem. Prepare your building correctly and it is possible to install the rebated threshold so it appears flush.

Visofold doors are available in a choice of standard or non-standard colours, including metallic, wood-structure, dual colour and Smart's unique Sensations range of textured finishes.

Architects, professional window companies and experts in doors all acknowledge that aluminium is a far superior material when it comes to bi-folding doors.

Not only does aluminium offer far greater strength than PVCu, but compare a PVCu and an aluminium bi-folding door side by side and you will instantly see how much slimmer the doors are in aluminium.

An aluminium bi-folding door will be stronger, lighter, slimmer, and give you more glass area – important to remember bearing in mind that your doors will probably be closed most of the year.

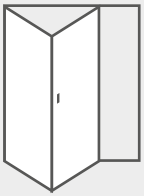
Our aluminium bi-fold doors benefit from - Attractive, slim-line profiles offer reduced sightlines.

Profiles available in either square or rounded edge options.

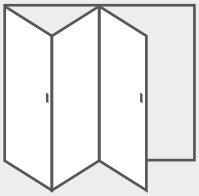
Fabricated using mitred corners, lock mechanism available with domestic style 'lift-up' handle and an adjustable, one-piece keep.

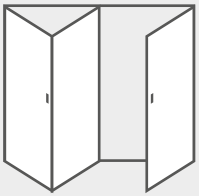
Aluminium bi-folding doors are now the must-have feature in the design of contemporary homes, extensions or renovations.

2 PANEL DOORS



3 PANEL DOORS





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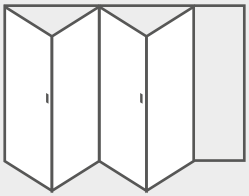

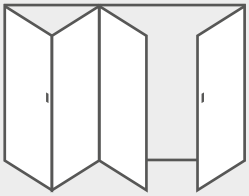

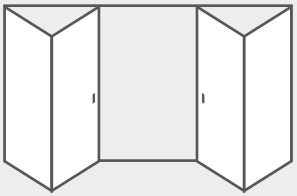

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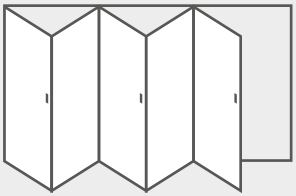
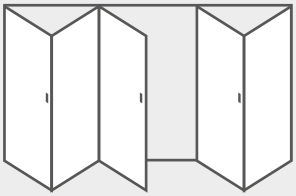
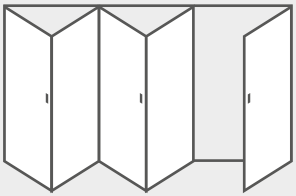
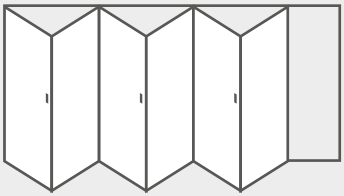
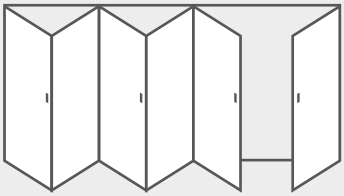


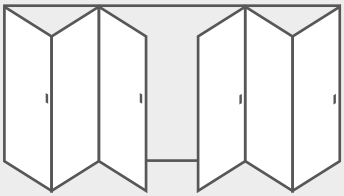




6 PANEL DOORS







DUAL COLOUR OPTIONS

150 RAL COLOURS

Made to your size, specification, and configuration

Just some of the many Aluminium bi-fold door combinations. Contact us to discuss your requirements.

SLIDING DOORS

SLIDING DOORS

ALUMINIUM VISOGLIDE PLUS

Our Smarts Visoglide Plus Patio door is just one of our range of high quality aluminium patio doors available for the home. Designed by one of the UK's biggest aluminium providers this is a highly reliable, tried and tested product.

Visoglide Plus offers the same contemporary styling and robust performance associated with the system whilst delivering superior thermal performance.

This adaptable system is suitable for use as either sliding commercial entrances where large opening apertures are required, or as dynamic residential sliding doors that maximise light and give stunning unimpeded views.

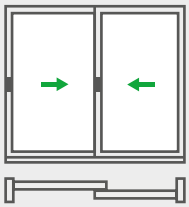
Visoglide Plus profiles have been designed to improve both strength and weather resistance. All main sections feature an extended polyamide thermal break that allows Visoglide Plus to achieve a U Value of 1.6 W/m²K when installed with a suitable sealed unit.

Visoglide Plus doors are available in both single and dual colour in wide choice of standard and non-standard finishes including Smart's unique Sensations range of textured colours. The system is also suitable for use with auto slide opening mechanisms (sold separately).

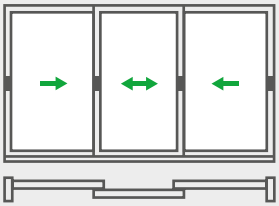
- Inline sliding or lift & slide options
- Slim interlock option
- Colour matched accessories now available, contact us for details
- British Standard Kite-marked system achieving: KM 530838 PAS 24:2012.

Aluminium sliding doors offer an alternative to bi-folding doors, allowing you to enjoy unobstructed views.

2 PANEL DOORS



3 PANEL DOORS



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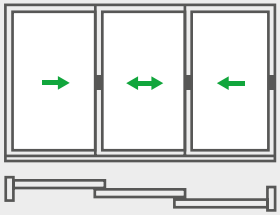
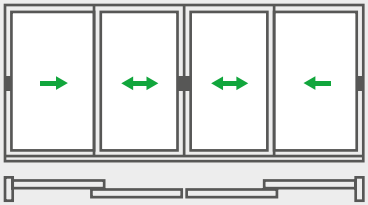


4 PANEL DOORS



DUAL COLOUR OPTIONS

150 RAL COLOURS

Made to your size, specification, and configuration

Aluminium sliding door combinations. Contact us to discuss your requirements.

WINDOWS

WINDOWS

ALUMINIUM ALITHERM 300

This versatile range of profiles can provide many solutions for residential and light commercial applications. We can create traditional casement windows inspired by the elegance and styling of timber products, or contemporary style windows designed for modern homes or offices.

Alitherm 300 profiles utilise Smart's innovative polyamide thermal break technology which creates a barrier between the cold air outside and the warm air inside. This technology significantly reduces thermal transmittance and enhances the overall U Value of a product and is designed to meet the exacting requirements of Document L 2010.

Alitherm 300 products are available in a choice of standard or non-standard colours, including metallic, dual colour, Smart's Sensations textured, and Alchemy anodised effect finishes.

The system features an extended polyamide thermal break which improves the overall U Value of the profile, allowing Alitherm 300 to achieve a Window Energy 'A' Rating when used in conjunction with the correct double or triple glazed unit.

The system is suitable for both internally or externally beaded, side or top hung open out windows.

These profiles have the option of either chamfered or flat sash.

The Alitherm 300 windows have a high security multi-point locking system.

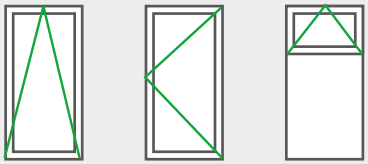
We can create made-to-measure windows to order and compliment any property style.

Aluminium windows come in a large range of colours and finishes, allowing us to create the perfect window to fit your property.

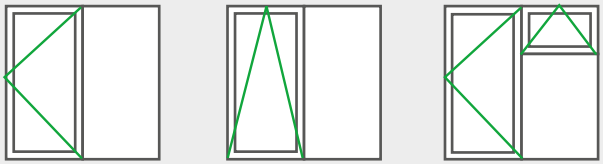
Our aluminium windows will help you build a bright, stylish home for all the family.

Replace your windows with strong, versatile aluminium windows to create a stylish look that will last forever.

1 WINDOW



2 WINDOWS



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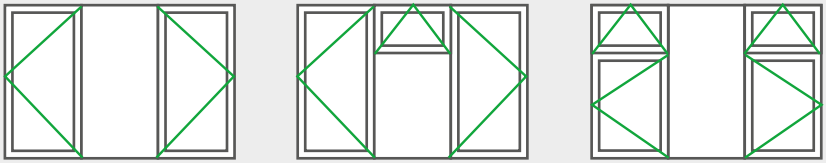
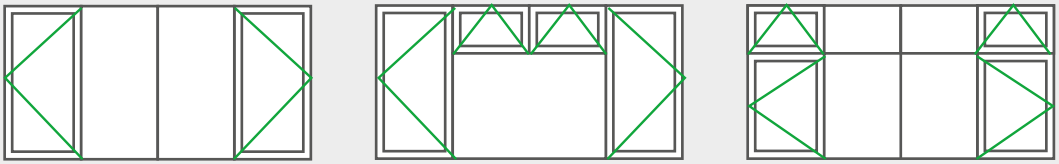


4 WINDOWS



DUAL COLOUR OPTIONS

150 RAL COLOURS

Made to your size, specification, and configuration

Just some of the many Aluminium window combinations. Contact us to discuss your requirements.

ROOF PRODUCTS

ALUMINIUM ROOF PRODUCTS

Whether replacing an existing roof or building a new extension, a lantern roof from Chigwell Window Centre is a great way to pull natural light into a room.

Using the benefits of slim line technology We have combined good looks, outstanding thermal performance and intelligent detailing, to create one of the finest looking products available for conservatory and orangery installations.

DESIGN VERSATILITY

The versatility of the aluminium box section rafters and creative design solutions have removed the requirements for outdated bulky hood covers on lantern roofs and Edwardians.

INCREASED STRENGTH AND THERMAL EFFICIENCY

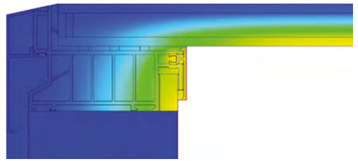
Increased roof strength means the design aesthetics and clear sightlines achievable using the slim profiles remain unmatched by any other manufacture, creating a roof that can suit any dwelling.

Thermal insulation performance is twice as good as the competition, meaning you can enjoy...

- Comfortable year-round room use
- Reduced risk of condensation
- Lower heating and air conditioning bills.

Why compromise excellent double or triple glazing performance? Choose the best insulated rafters in the industry with our roof profile.

Thermal efficiency



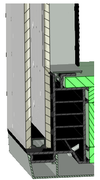
We provide roof light solutions for flat roofs providing natural light and a feeling of space into an existing room or new extension.

TWICE AS EFFICIENT

A U-Value (W/m2K) is simply a measure of heat loss from a building structure – for instance a roof, or a window and frame. A high U-Value means thermal insulation is poor whilst a low U-Value indicates a good thermal insulation.

As a glazed roof is made up of both glass and rafters, you want low U-Values from both. High performance glass is usually rated at 1.1 or 1.2 U-Value, but the value of roof rafters varies considerably. Our rafter has a U-value of 1.5 W/m2k which is twice as thermally efficient as its nearest competitor (which are over 3).

When using doubled glazed Low e glass (U-value 1.1W/m2k) the overall roof has a U-value of as low as 1.2 W/m2k.



KEY BENEFITS

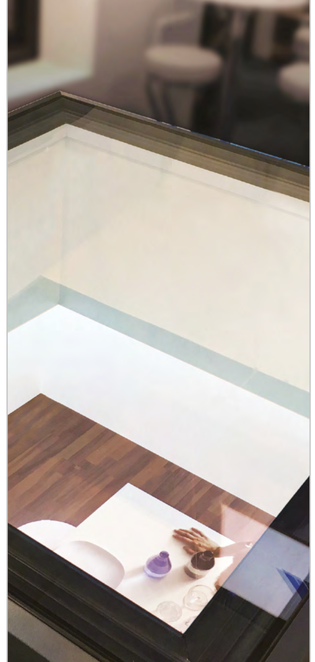
With thermal insulation performance that's twice as good as the competition, you can enjoy:

- Comfortable, year-round room use.
- Reduced risk of condensation
- Lower heating and air conditioning bills.

THE FUNDAMENTAL DESIGN FEATURES

The strength of the our roof system, enables the roof structure to withstand additional loads, such as the introduction of triple glazing.

It has been well documented that to achieve the best thermal properties for triple glazing, the glazing cavity between the glass panes should be 16mm. This results in a 44mm triple glazed unit which has superior U-values, compared to 28mm or 36mm triple glazing.



Our lantern and lean-to has been designed to be glazed with 44mm units, which have a U-value as low as 0.6 W/m2k.

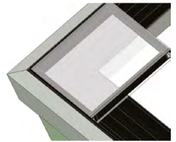
The roof rafter U-value improves to 0.95 W/m2k when glazed with triple glazing.

When using triple glazing Low e glass the roof has an overall U-value of as low as 0.7 W/m2k.

STRENGTH

Extreme weather and loads quickly expose inferior systems.

You can trust us from the start – independently tested as the strongest system available.



INDEPENDENT ACCREDITATION

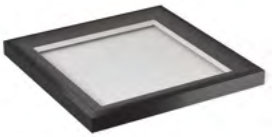
Independent tests confirm our roof is the strongest glazed roofing available in the UK domestic conservatory market. Our roofs have been designed to withstand 33% greater live loads (wind/snow) than other roof manufacturers.

ADDITIONAL STRENGTH

For larger spans the structure is invisibly reinforced internally in the rafters, so you won't be left staring at unsightly bolster bars; making the roof ideal for the lean to design conservatory.

Roof lanterns are the perfect addition to your home or extension.

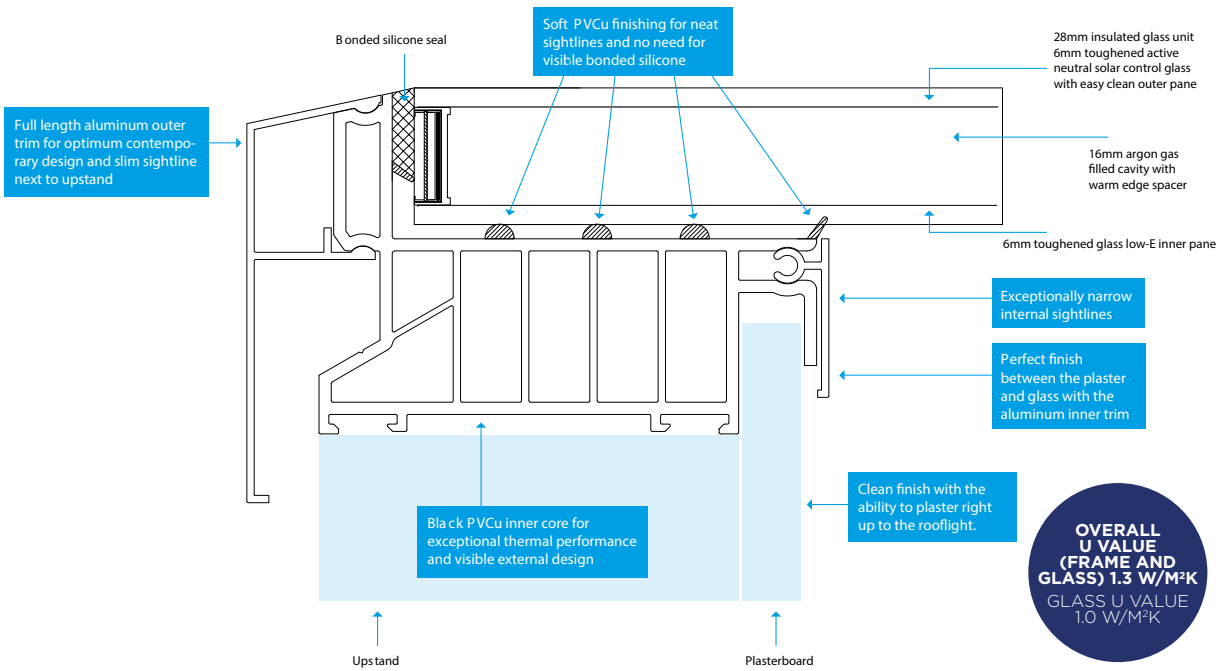
1000mm x 1000mm



1000mm x 1500mm

1000mm x 2000mm

FLAT ROOFLIGHT **TECHNICAL SPECIFICATION**



SPECIFICATIONS

SECURITY

You can have peace of mind knowing your home will be secure with high security multi-point hook locking mechanisms fitted as standard to our sliding doors, and shoot bolt locks on bi-folds with internally glazed sealed units.

Windows come with multi-point locking systems and a high security interlocking bead – which is extremely difficult to remove once glazed.

High security window lock

High security bi-fold door lock

High security hook lock

Bi-fold door hinge

HARDWARE

All our doors, windows are fitted with quality handles, designed to work in unison with our aluminium products. Our handles come in brushed aluminium, chrome, white, black and gold.

D-handle – Black

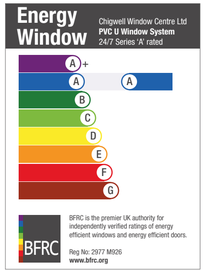
D-handle – Silver

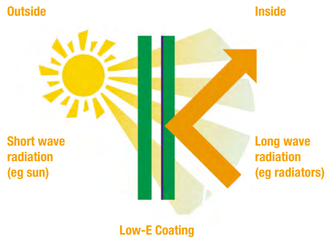
Choice of window handles

Bi-fold door lever handles

ENERGY EFFICIENCY & GLAZING

All our aluminium profiles feature polyamide thermal break barriers between the cold outside and the warm inside. They exceed the performance requirements of current building regulations and will accept a range of glazing options keeping your home warm and comfortable whatever the weather and significantly reducing your energy bills.





INTEGRAL BLINDS

Dusting blinds is a thing of the past with our electric and manual integral blinds. The magnetic control allows users to control the raising and lowering of the blind in between the glass as well as the tilting of the Venetian aluminium slats, making for a sleek innovated design.

The magnets themselves are small and purposely designed to be hidden amongst the frame of the window.

Or if you really want to impress the neighbours our new remote blinds system is becoming increasingly popular with many of our customers. It's the luxury and convenience of operating your blinds at the touch of a button, without leaving the comfort of your own chair.

TRICKLE VENTS

As our homes are becoming more and more airtight to reduce the amount of heat loss through the building fabric it is necessary to allow for ventilation in the interest of providing a means of changing the air and preventing condensation.

A trickle vent is a small opening in a window or door to allow small amounts of ventilation.

To help you understand the terms we use to describe our products we have put together a glossary of terms, please see below:

Extrusion
A form produced by forcing material through a die. Most window frames are clad with extruded vinyl or aluminium.

Lintel
A lintel is a reinforced beam that is used above doors and windows to support the above brickwork so that it isn't being supported directly onto a window or door.

Low E glass
Insulated coated glass that helps reduce energy loss.

Mullion
Are vertical bars on windows or doors, to divide whole sections up.

Multipoint Locking System
Both the door and the frame are locked together at multiple points.

Pane
A glass unit

Patio Door
A sliding glass panel door (going out to a patio garden).

Polyamide
Also known as "polyamide thermal break". Part of the Aluminium extrusion which thermally separates the front and the back of the Aluminium - thus keeping the cold outside Aluminium physically away from the Aluminium on the inside of the door.

Profile
Lengths of plastic that makes the window or door frames.

RAL / KL / BS Colours
A paint industry standard way of referring to different colours. You choose a RAL / KL / BS colour reference from a colour chart. You can specify a gloss level of your paint too. The gloss level options are Gloss, Semi-Gloss and Matt.
Self-Cleaning Glass
Treated with a special coating on the outer surface, self-cleaning-glass uses UV from sunlight plus water (from rain or washing) to prevent dirt and dust adhering to the surface.

Shoot-bolts
A form of high security locking system used in windows.

Sill / Cill
External window ledge.

Surveying
An accurately detailed inspection and measurement report of the site.

Tempered Glass
Toughened safety glass designed to shatter with no sharp edges.

Thermal Break
The gases used in insulated glass panes is used as a thermal break to prevent the thermal energy being dispersed between the glass.

Toughened Glass
Glass that has been treated and put under heat and coolant processes.

Traffic Door
A door that can be used like a standard hinged door without having to fold the other panels to use it. With a traffic door you can enter the room from outside. Without a traffic door you cannot enter the room from outside

Threshold
The threshold is the bottom of the door which you step over as you go in and out of the door. A standard threshold offers the best weather performance - but is higher overall than the low threshold.

Trickle Vents
A ventilation system to allow fresh air into the room whilst keeping the doors closed/locked to maintain higher air quality. Traditional 'trickle vents' are fitted in the head extension of the outer-frame to achieve the ventilation required.

Designed & produced by Brand-ing.co.uk

RAL COLOURS

Aluminium is not only extremely strong, light and durable but it has the benefit of being powder coated in over 150 RAL colours, a polyester powder-coat paint which is baked onto the aluminium which creates a high quality, durable and tough finish that can withstand all weather conditions.

Whatever your colour choice we can help, contact us to discuss your requirements.

WHITE
RAL 9016

ANTHRACITE GREY
RAL 7016

BLACK
RAL 9005

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