

“the finishing touch to any home”

*Virtuoso*  
EXPRESSIONS



Choosing better, more  
energy efficient Windows and Doors

home owners guide

No matter what style of property, we can offer you designs of windows and doors which complement the architecture.

From the simplest casement window to the grandest Victorian bay, we can create both traditional and individual looks for your home.

Strong, secure PVCu construction means they'll never rot, warp or require repainting; just an occasional wipe clean keeps them looking like new.



Orrin Laon  
Residential doors page 15

- Composite Doors
- PVCu Doors
- Casement
- Tilt & Turn
- Vertical Sliders
- French Doors
- Patio Doors
- Bi - Fold Doors
- Conservatories



Clifton Savona  
Composite doors page 7

**“Plain or opaque...diamond leaded or bevelled ...select glazing that’s perfect for the look you want.”**

# Create your perfect home with windows, doors and conservatories

Stylish, energy saving and completely maintenance free. For high quality PVCu window, door and conservatory products, you won't find better choice or value

Tired of maintaining ageing, weather-worn timber? PVCu is the perfect answer. Versatile and elegant, our comprehensive window, door and conservatory range is designed to suit any style of architecture. What's more, we can tailor-make designs to reflect your personal taste and needs.

## Lasting Quality

We're passionate about quality, so only the best materials and components are selected to create our products.

Not only warm and quiet, the tough exterior of our doors, windows and conservatories are designed to withstand the extremities of the UK.

## Superior Performance

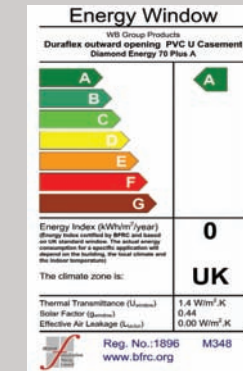
Relax in a home that's warmer and quieter too. Our well insulated frames, quality double glazing, weather tight seals and multi chambered profiles ensure that heat loss is kept to a minimum. Where noise is an issue, the thermal insulation properties of PVCu and our unique Q-Lon gasket will help to minimise any disturbance from the world outside.

## October 2010

All windows installed will have to comply with government legislation! Amendments to Approved Document L of the Building Regulations for England and Wales. The proposed amendments mean that **ALL** replacement windows of all types will need a BFRG Window Energy rating of C or above in England and Wales, Scotland requires B rated.

## A Rated

Our energy efficient windows have achieved the maximum rating of an **A**



**“The highest performance windows and doors – we wouldn't put our name on anything else.”**

Give yourself the home **you really deserve ...**



## Energy efficient options can save you money

With rising fuel and living costs, it makes sense to let technology help reduce the heating you need – and cut carbon emissions, too.

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

With visible benefits for both the environment and your home, it's clear why energy efficient windows are important. So how do you choose the best ones for you?

Average fuel savings from single glazed to energy Efficient "C" windows on the average house are:

\* £157.00 per year for Gas

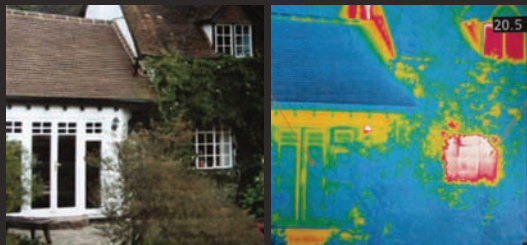
\* £236.00 per year for Electricity

This equates to a reduced carbon footprint of 0.31 tonnes per year, which equates to a 19% saving. This almost equals the 20% reduction that EST ask consumers to target as part of their commitment to reduce carbon emissions.

### Right system, right glass

The images below 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 dramatically reduce heat loss.



www.bfrc.org



Energy Window	
WB Group Products Duraflex outward opening PVC U Casement Diamond Energy 70 Plus A	
	<b>A</b>
Energy Index (kWh/m <sup>2</sup> /year) (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)	<b>0</b>
The climate zone is:	<b>UK</b>
Thermal Transmittance (U <sub>window</sub> )	1.4 W/m <sup>2</sup> .K
Solar Factor (g <sub>window</sub> )	0.44
Effective Air Leakage (L <sub>factor</sub> )	0.00 W/m <sup>2</sup> .K
	Reg. No.:1896 M348 www.bfrc.org
<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>	

## Using less energy means less CO2

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 instead of the minimum building regulation specification, each household could save the equivalent energy to making 34,000 cups of tea!



Energy rated windows - keeping the cold air out and the warm air in

## 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 windows achieve a minimum of a "C" rated or better energy efficiency, so you can be sure that your windows are the best that money can buy.





## Extensive designs to complement **every home**

The casement window is the most popular style of window as it lends itself to virtually any application. The versatility of the Diamond casement system means that you can choose the position of the opening sashes to best suit your needs.



Astragal bar



Rosewood



With classic styling, the Diamond Suite not only has looks that will last, you can also enjoy the benefits of heat and sound insulation. Our well insulated frames, quality double glazing, weather tight seals and multi-chambered profiles ensure that heat loss is kept to a minimum.

Where noise is a problem the thermal insulation properties of the PVC-u will help to reduce the noise from the outside world.



Sash Horn



The addition of the Sash horn detail to a casement window will recreate the look of a traditional box sash window

Security locking as standard to all windows, a choice of handles to complement your windows in White, Gold and Chrome

# Give yourself the home you really deserve

Tilt and Turn is not only designed for ventilation, the window is versatile. The opening window when opened fully is an ideal means of escape in an emergency. Access for cleaning purposes is simplified also, as the window opens fully inwards.

Easy Clean

Fire Escape

Tilt First

Mock Horn

Easy clean

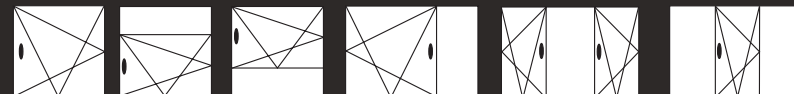
## Mock Sash

*The Tilt and Turn mock sash recreates the look of a traditional sliding sash window*

For those customers looking for a totally different style from that of their neighbour the solution may be to opt for a different glazing option or opening position.

Our comprehensive range of window styles will accommodate your individual need.

And when it comes to security, we will not let you down. - All our windows are fitted with the latest security products for peace of mind



Security locking as standard to all windows, a choice of handles to complement your windows in White, Gold and Chrome





# Step outside for a breath of fresh air

Imagine stepping straight outside into your garden, patio or balcony in seconds with ease. Whatever style of door you want, and whatever size, we can create exactly what you need.



Bi - Fold

- Inward opening
- Outward opening
- Two Pane Patio
- Three Pane Patio



Outward Opening



Make a focal point of your room by choosing one of our high quality Patio doors. Our range of Patio doors are available in two, three or four pane styles with a choice of white or woodgrain finishes.

Alternatively our elegantly styled French doors may suit the style of your home. As with Patio door options, the French doors transform the appearance of the room and with the addition of glazed side screens you can create the design to suit your lifestyle.



A choice of handles to complement your French or Patio doors in White, Gold and Chrome



# Conservatories

## Diamond Conservatory System

# A seamless addition to transform your home

Extend your home with one of our conservatories and you will discover a whole new outlook on life, because a conservatory is more than just another room

*- it's a room with a view.*



*Edwardian  
Victorian  
Lean - To  
Gable  
Combination*



*Victorian P Shape*



*Victorian*



“From a garden room to a playroom, we’ll help you realise the conservatory space of your dreams.”



*Edwardian*

Choose from our comprehensive range of styles, Edwardian, Victorian, Gable fronted, Lean-to or a combination of these. All you need to do is decide which style of conservatory best suits your needs and budget - it's as simple as that!

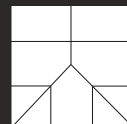
*Polycarbonate:*

*Clear*

*Opal*

*Bronze*

*Bronze/Opal*



*Edwardian*



*Victorian*



*Gable Fronted*



*Lean-to*



*Combination (Victorian P Shape)*

Glazed Roof options also available.



# Virtuoso

COMPOSITE DOOR

NB. (T) Denotes Triple glazed



CLIFTON Savona



CLIFTON Torino



(T)

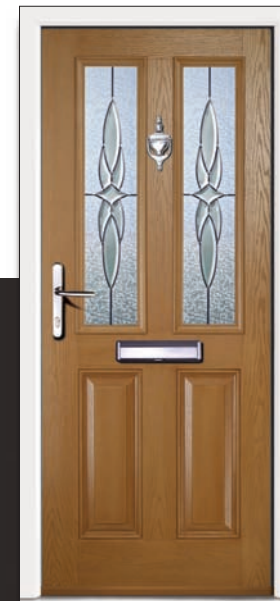
CLIFTON Sero



CLIFTON Tivoli



CLIFTON Sextet



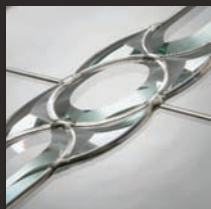
(T)

CLIFTON Cusna

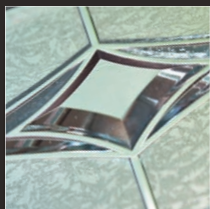


(T)

CLIFTON Massimo



TORINO



SAVONA

*From our Superb Collection of Stylish and Secure Composite Doors, choose your door style, colour of door, glazing design and door furniture to give your home a totally unique entrance.*



NB. Colours are as accurate as the printing process allows.

# Virtuoso

COMPOSITE DOOR



Ⓡ CLIFTON  
Milleta



Ⓡ ELTON  
Massimo



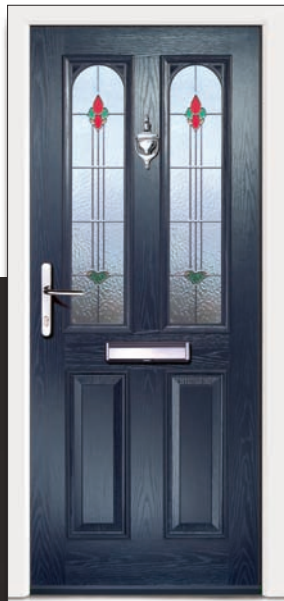
ELTON  
Nero



Ⓡ ASTON Sero



CLIFTON  
Modena

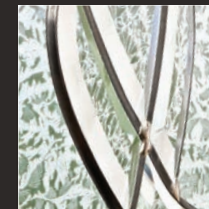


ASTON  
Aster



ASTON  
Treviso

*The Virtuoso Collection of composite doors offers you the look and feel of a traditional timber door without the inherent problems. No more sanding, painting or varnishing.*



MASSIMO



SERO



# Virtuoso

COMPOSITE DOOR

NB. (T) Denotes Triple glazed



CARLTON FOUR Savona



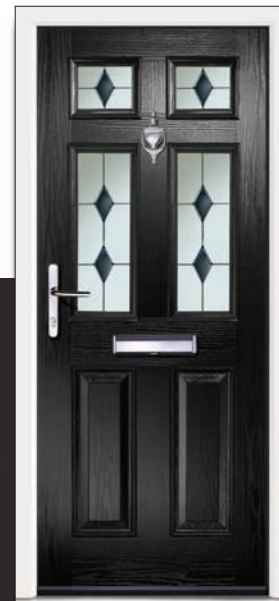
CARLTON Solid



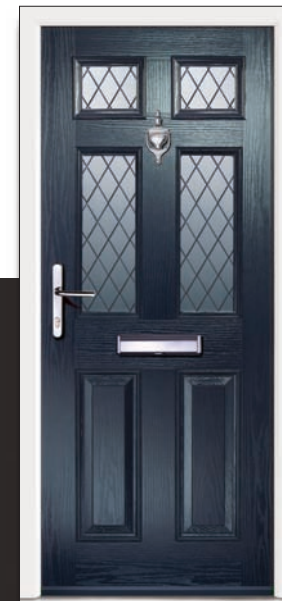
CARLTON TWO Prism



CARLTON TWO Savona



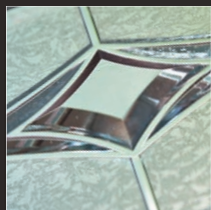
CARLTON FOUR Sextet



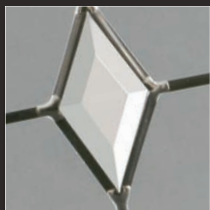
CARLTON FOUR Diamond Lead



CARLTON FOUR Glazed



SAVONA



PRISM

*From our Superb Collection of Stylish and Secure Composite Doors, choose your door style, colour of door, glazing design and door furniture to give your home a totally unique entrance.*



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# Virtuoso

COMPOSITE DOOR



CHILTON THREE  
Savona



CHILTON ONE  
Bellini



CHILTON ONE  
Amaro



CHILTON ONE Savona



CHILTON ONE  
Alto

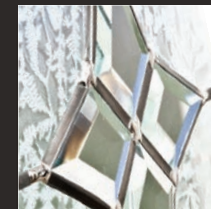


CHILTON ONE  
Rossini



CHILTON ONE  
Grill

*The Virtuoso Collection of composite doors offers you the look and feel of a traditional timber door without the inherent problems. No more sanding, painting or varnishing.*



ALTO



BELLINI



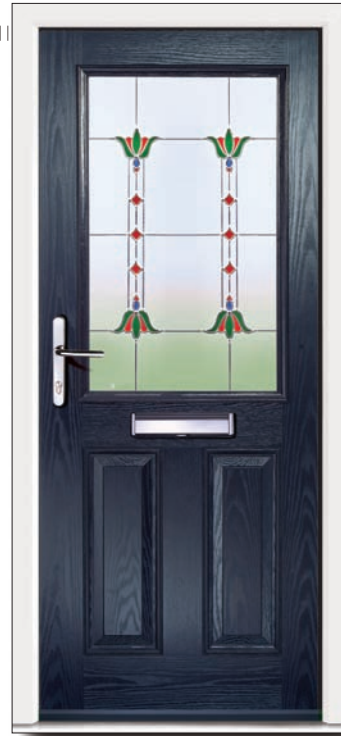
# Virtuoso

COMPOSITE DOOR

NB. (T) Denotes Triple glazed



CRAFTON Prado



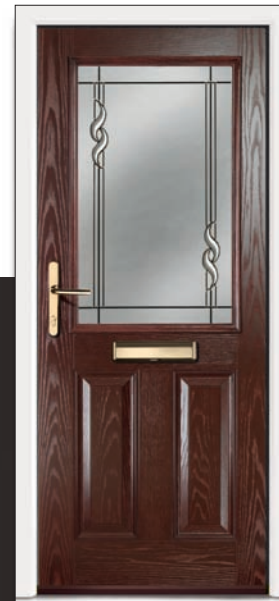
CRAFTON Nuda



(T) CRAFTON Cimone



CRAFTON Modena



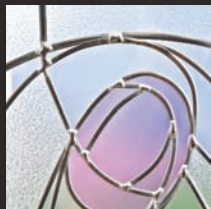
CRAFTON Crystalline



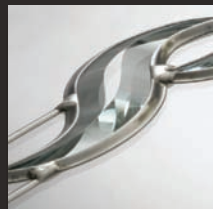
CRAFTON Georgian Grill



CRAFTON Glazed



PRADO



CRYSTALLINE

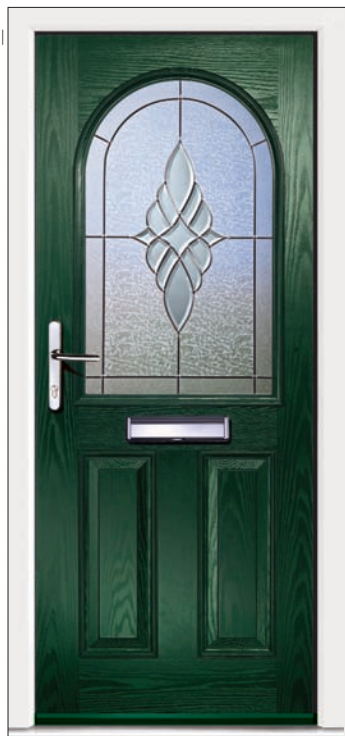
*The Collection of Composite doors offers total security coupled with heat insulation six times that of a traditional timber door.*



NB. Colours are as accurate as the printing process allows.

# Virtuoso

COMPOSITE DOOR



Ⓟ CLASTON  
Velino



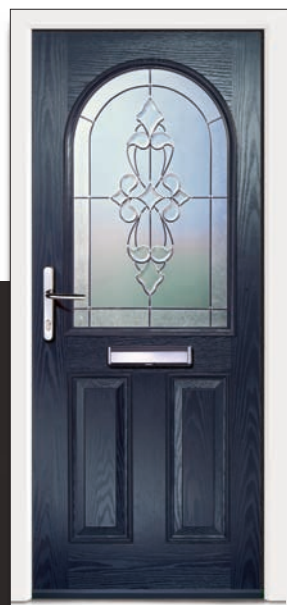
CLASTON  
Victorian Rose



CLASTON  
Massimo



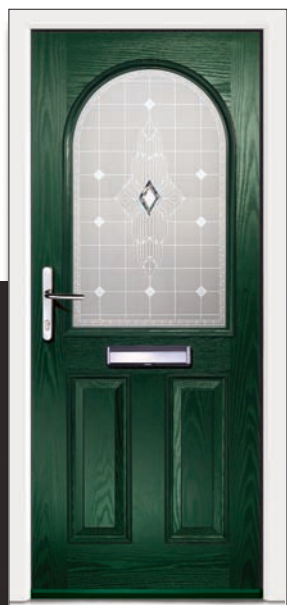
Ⓟ CLASTON Cimone



CLASTON  
Pristina



CLASTON  
Bellini

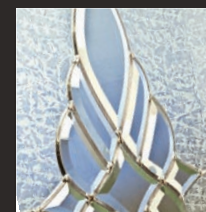


CLASTON  
Rossini

*The Collection of composite doors offers you the look and feel of a traditional timber door without the inherent problems. No more sanding, painting or varnishing.*



CIMONE



VELINO

# Virtuoso

COMPOSITE DOOR

NB. (T) Denotes Triple glazed



CHAPLETON A9 Azurite



CHAPLETON THREE  
Savona Centre



Superior Olive

CHAPLETON A1  
Glazed



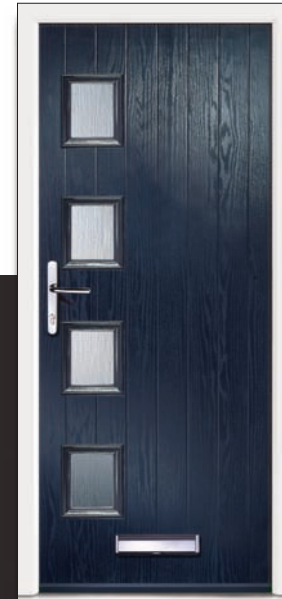
Superior Anthracite

CHAPLETON A3  
Tivoli



Superior Cream

CHAPLETON A2  
Glazed



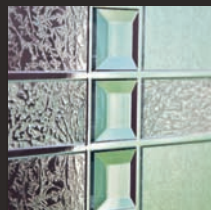
CHAPLETON C4  
Handle Side Glazed



CHAPLETON C4  
Hinge Side Glazed



AZURITE



TIVOLI

*The Collection of composite doors will not warp, twist or bow and will only require an occasional wipe with a damp cloth to restore it to its original finish.*





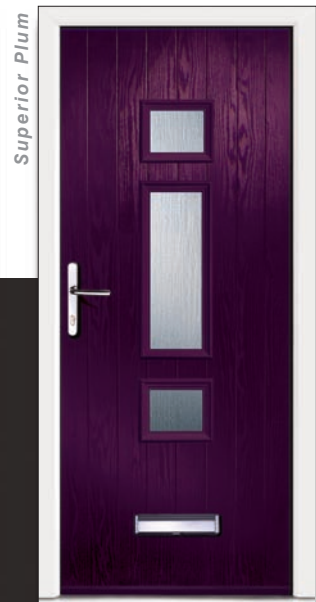
MALTON  
Opus



HARTON  
Amethyst



CHAPLETON C2  
Savona



CHAPLETON B3  
Glazed

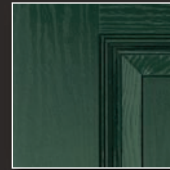
## Composite Colours

### Standard

Make a statement, choose from one of our striking range of solid colours or woodstain finishes



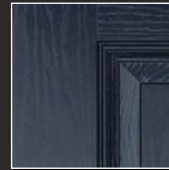
Red



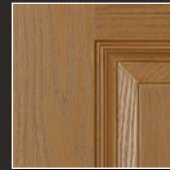
Green



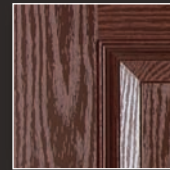
White



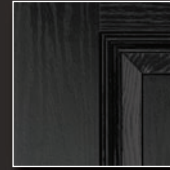
Blue



Oak



Rosewood



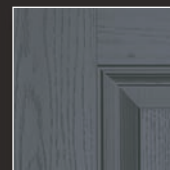
Black

### Superior

A Range of shades inspired by nature to compliment your individuality and style of home, each door is custom painted to your order



Cream



Slate Grey



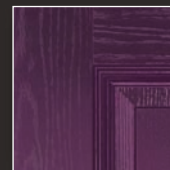
Olive



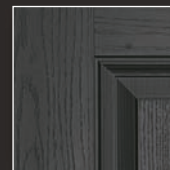
Sky Blue



Sage

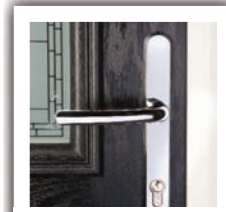


Plum



Anthracite Grey

*“From the door style to the colour and choice of furniture, we’ll help you make a statement”*



Superior Handle



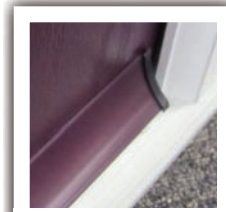
Standard Hinge



Silver Low Threshold



Superior Gold



Colour match Drip Bar



Superior Hinge



Superior Hinge



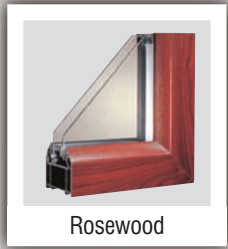
Superior Chrome

# Virtuoso

RESIDENTIAL DOOR



Oak



Rosewood



Mahogany



VE242 ORRIN Laon



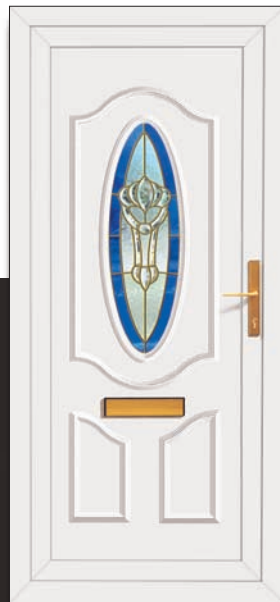
VE241 DOON Arles



VE243 KISHORN Bourges



VE244 ORRIN Parvenu



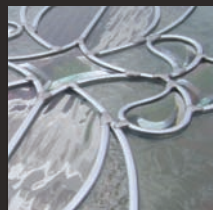
VE226 LUNDIE Gold Reims



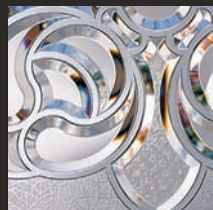
VE227 LOMOND ONE Albi



VE232 SHIEL Glisten



LAON



GLISTEN

**Triple Glazed**  
Hand crafted from individual pieces of pattern glass set around unique handcut and polished glass bevels.

**Resin Bevel**  
Designs which are complex yet delicate using the latest resin technology these unique designs cannot be reproduced using any other process.



NB. Colours are as accurate as the printing process allows.

# Virtuoso

RESIDENTIAL DOOR



VE231 DOON Patina



VE218 RANNOCH TWO Zirconia



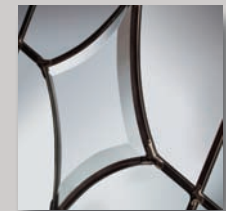
VE224 DOON Spica



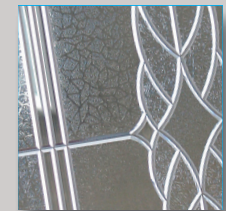
VE229 ORRIN Elegance



ELEGANCE



ORION



SILKEN



VE222 MAREE Silken



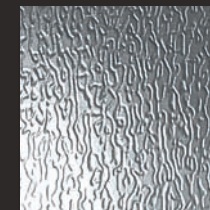
VE223 LUNDIE Pulsar



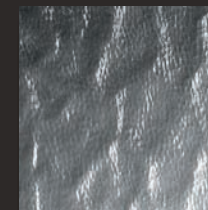
VE230 MELFORT Orion

**Glass Bevel**  
*Incorporating hand crafted glass bevels applied to the glass and finished with delicate lead work & soldered on the external lead joints.*

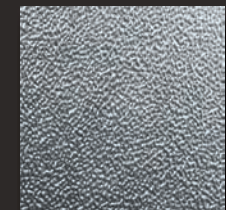
## Backing Glass



Contora



Minster



Stippolyte

# Virtuoso

RESIDENTIAL DOOR



VE219 KISHORN Blue Sextet



VE220 MAREE  
Classic Garland



VE221 ORRIN  
Twinning Rose



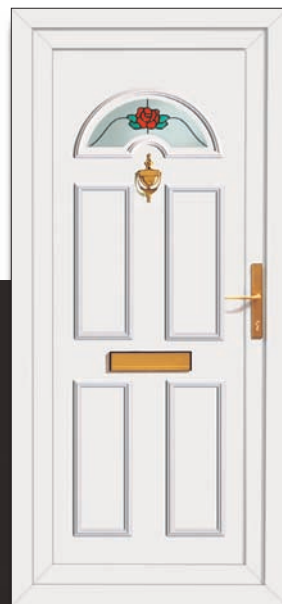
VE238 DOON ONE  
Vittorio



VE239 KISHORN TWO  
Valli



VE205 BRORA  
Canna



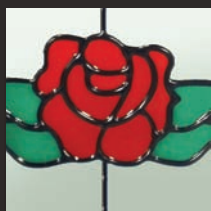
VE199 LOMOND ONE  
Spring Rose



ROMA



VE235 LOMOND ONE  
Roma



SPRING ROSE

## Resin Lead

*This innovative technique uses Computer Aided Design coupled with Resin 'Lead' technology to create detailed art work.*

## Tile Bevel & Etched

*A delicate combination of etched designs with the addition of either a tile or bevels.*



NB. Colours are as accurate as the printing process allows.

### Lead & Film

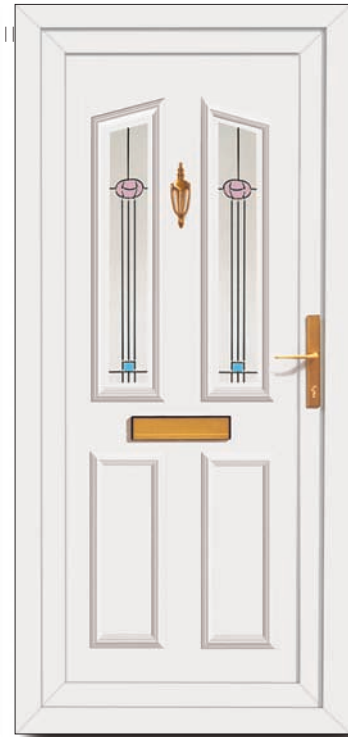
This process incorporates self adhesive lead and colour film to replicate traditional stained glass designs, all external joints are soldered.



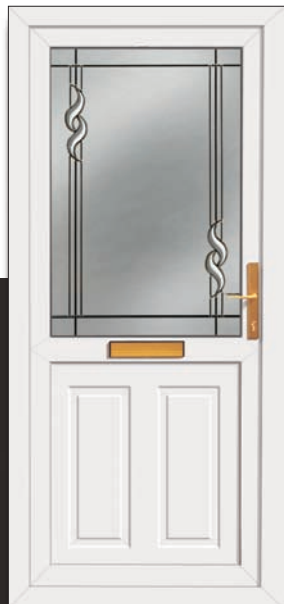
VE236 TAY Eday



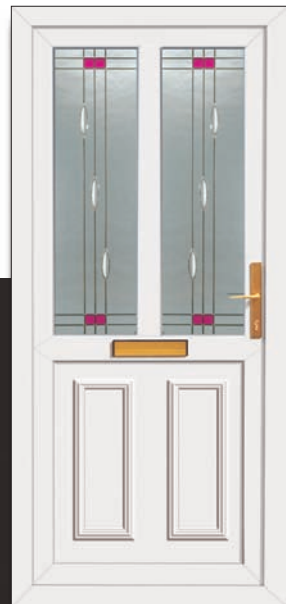
VE240 LOYNE Monsay



VE225 KISHORN TWO Islay



VE251 DUNDEE Crystalline



VE252 EDINBURGH Tear Drop



VE217 GREENOCK Glazed

### Half Glazed

Half glazed doors are suitable for both the front and rear of your property, the large glass area allows the light to flood in.

## Virtuoso

### DOOR FURNITURE



Chrome Urn



White Urn



Gold Urn



Gold Urn with Spy Hole



Superior Gold Letterplate



Standard Gold Letterplate



Superior Chrome Letterplate



Standard Silver Letterplate



Superior White Letterplate



Standard White Letterplate



Gold Spy Hole



White Spy Hole



Chrome Spy Hole



Black Spy Hole

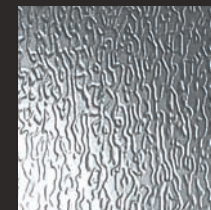


Gold Lions Head

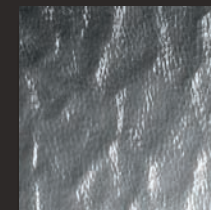


Black Lions Head

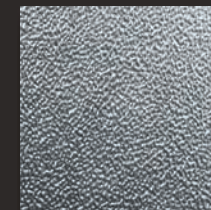
### Backing Glass



Contora



Minster



Stippolyte



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