

# PVC VERTICAL SLIDING SASH WINDOWS

*for traditional & contemporary living*

Your local supplier is:

Product specification is subject to change without prior notice. All information is correct at time of print.



TRADITIONAL



DISTINCTIVE



STYLISH





**FRAME STYLES**  
page 04



**HARDWARE & OPTIONS** page 05



**GLAZING OPTIONS** page 06



**TECHNICAL**  
page 07



**CASEMENT WINDOWS & DOORS**  
page 06



**INSTALLATIONS**  
page 10&11

## AT A GLANCE

### RENAISSANCE CONTENTS

### STYLE WITH CHOICE page 04/05

### FRAME CONFIGURATION

Everything at Renaissance is made to measure by our craftsmen giving you infinite choice of your ideal style.

### HARDWARE & OPTIONS

Select from our range of window furniture to best compliment your style.

### GLAZING OPTIONS page 06

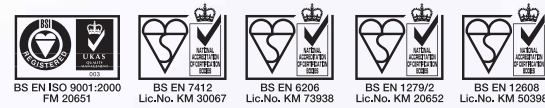
### OBSCURE & GEORGIAN BAR

Give your windows some distinctive character with our choice of Georgian fret or Astragal bar.

### TECHNICAL & QUALITY page 07

#### QUALITY ASSURED

See the detail the Renaissance design team have gone to, to ensure that your windows provide a lifelong return for your investment.



### CASEMENTS page 08/09

#### CASEMENT WINDOWS

Renaissance also provide casement windows to compliment our Sliding Sash.

#### CASEMENT DOORS

Our Residential and French Doors are designed to allow you to make the perfect entrance.

### CASE STUDIES page 10/11

#### INSTALLATIONS

Now your beautiful home is complete!

You can now simply lay back and enjoy .....

vertical sliding sash | casement windows | casement doors

# WELCOME TO RENAISSANCE

*modern windows of yesteryear*

The Renaissance window system has evolved through years of experience by our design technicians. It has been engineered to accurately replicate the soft smooth curves of traditional sliding sash windows of yesteryear yet hold all the benefits and advantages of modern fully reinforced PVC.

*Choose any combination of Renaissance PVC products for your home and you can be assured of a perfect match throughout. Casement windows, tilting windows, vertical sliding sash windows, bay & bow windows, casement doors and french doors, all designed in unison for today's modern living.*



MODERN LIVING



ECO FRIENDLY

*The soft smooth curves of the Renaissance Vertical Sliding Sash window give a sense of true elegance & style to any home.*



*Renaissance Window Systems  
ideal window solutions for your property*

# STYLE WITH CHOICE

## FRAME CONFIGURATIONS

### Vertical sliding sash window basics

The system is a very simple operation of two sashes within an outer frame that work independently of each other, on balance springs, designed to hold them at any height with an ingenious design feature allowing the sashes to tilt from inside to facilitate safe and easy cleaning.

### Fire Escape

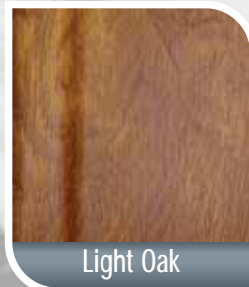
Regulations require a clear opening of 0.33m<sup>2</sup> with a minimum dimension of 450mm in both height and width. This is needed to meet the criteria for fire escape design (commonly first floor bedrooms and above). If this is not possible then the option shown below can be used with the lower sash tilting upwards to provide the extra space required.



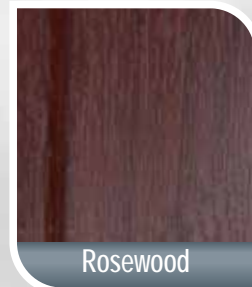
**FIRE ESCAPE WINDOW**  
Minimum frame size of 900mm (w) x 1050mm (h)

### OPTIONAL WOODGRAIN FINISHES

In addition to standard white why not choose Light Oak, Rosewood or White Woodgrain, the choice is yours!  
All Renaissance windows & doors illustrated in this brochure are available in the laminate finishes below.



Light Oak



Rosewood



White Woodgrain



By coupling windows together whole new design becomes available. Arched heads, fixed sashes, bays, the configurations are endless.



**VERTICAL SLIDING SASH WINDOW**  
Sliding motion illustrated

**BOTH SASHES IN TILT POSITION**  
Tilt restrictors ensure a smooth & safe operation

# STYLE WITH CHOICE

## HARDWARE & OPTIONS

### HARDWARE OPTIONS

Unique to the Renaissance Vertical Sliding Sash window, attractive key operated locks, handles, and other accessories available in white, gold, chrome or satin chrome.



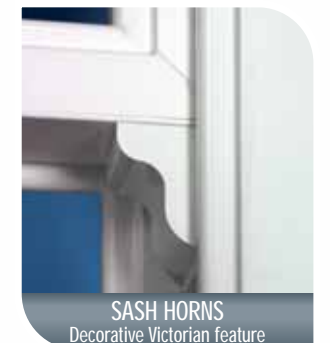
**KEY OPERATED LOCK & KEEP**  
Unique to the VS window



**D-HANDLE(S)**  
Externally fixed



**LIFT HOOK(S)**  
Illustrated in chrome option



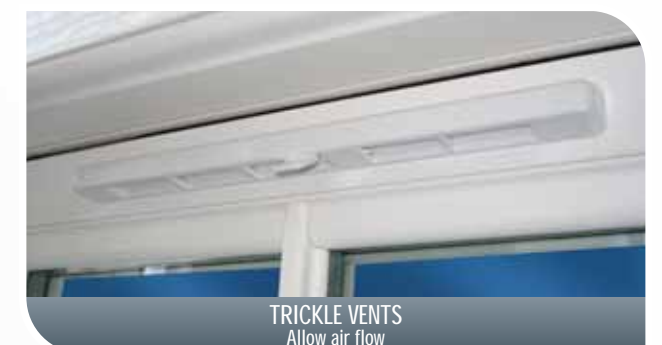
**SASH HORNS**  
Decorative Victorian feature



**CHILD/SAFETY RESTRICTORS**  
Restricts the sash opening



**TILT LATCHES**  
To enable cleaning of exterior



**TRICKLE VENTS**  
Allow air flow

**HARDWARE COLOURS**  
Attractive White,  
Gold, Chrome or Satin  
Chrome finishes



# GLAZING OPTIONS

## OBSCURE & GEORGIAN BAR

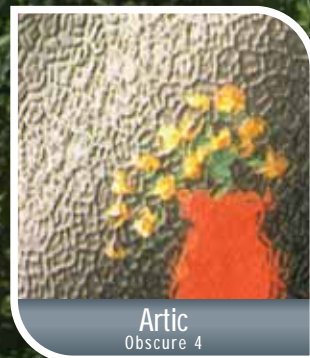
### GLAZING BAR OPTIONS

From the Victorian and Georgian periods, today's bar emulates the style of the period without the need for individual units of glass. Available in either authentic Astragal glazing bars (externally mounted just like real wood) or Georgian Fret (between the panes for easy cleaning). Whichever you choose they both simulate the character of traditional town house.

### OBSCURE PATTERNS (Pilkington glass)

Texture glass offers privacy and style throughout the home. 5 levels of privacy are available, grade from 1 (least) to 5 (maximum). All available toughened for safety and security.

Ask in-store for many more Obscure options



Artic  
Obscure 4



Autumn  
Obscure 3



Cotswold  
Obscure 5



Flemish  
Obscure 2



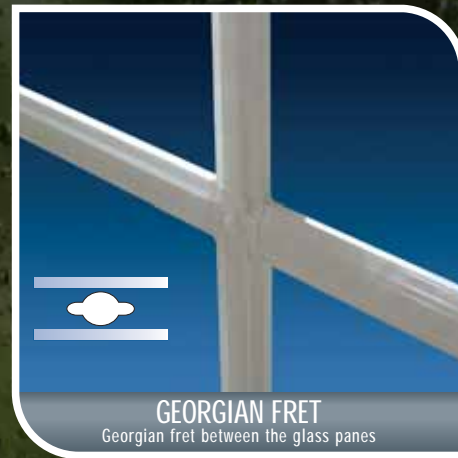
Stippolyte  
Obscure 4



Sycamore  
Obscure 2



ASTRAGAL BAR  
Georgian fret between the glass panes & external glazing bars



GEORGIAN FRET  
Georgian fret between the glass panes

### THERMAL GLASS

All Renaissance windows are supplied with 'Low E' glass as standard, but why not consider upgrading to Pilkington 'Activ' self cleaning or EnergyKare for even extra thermal efficiency.



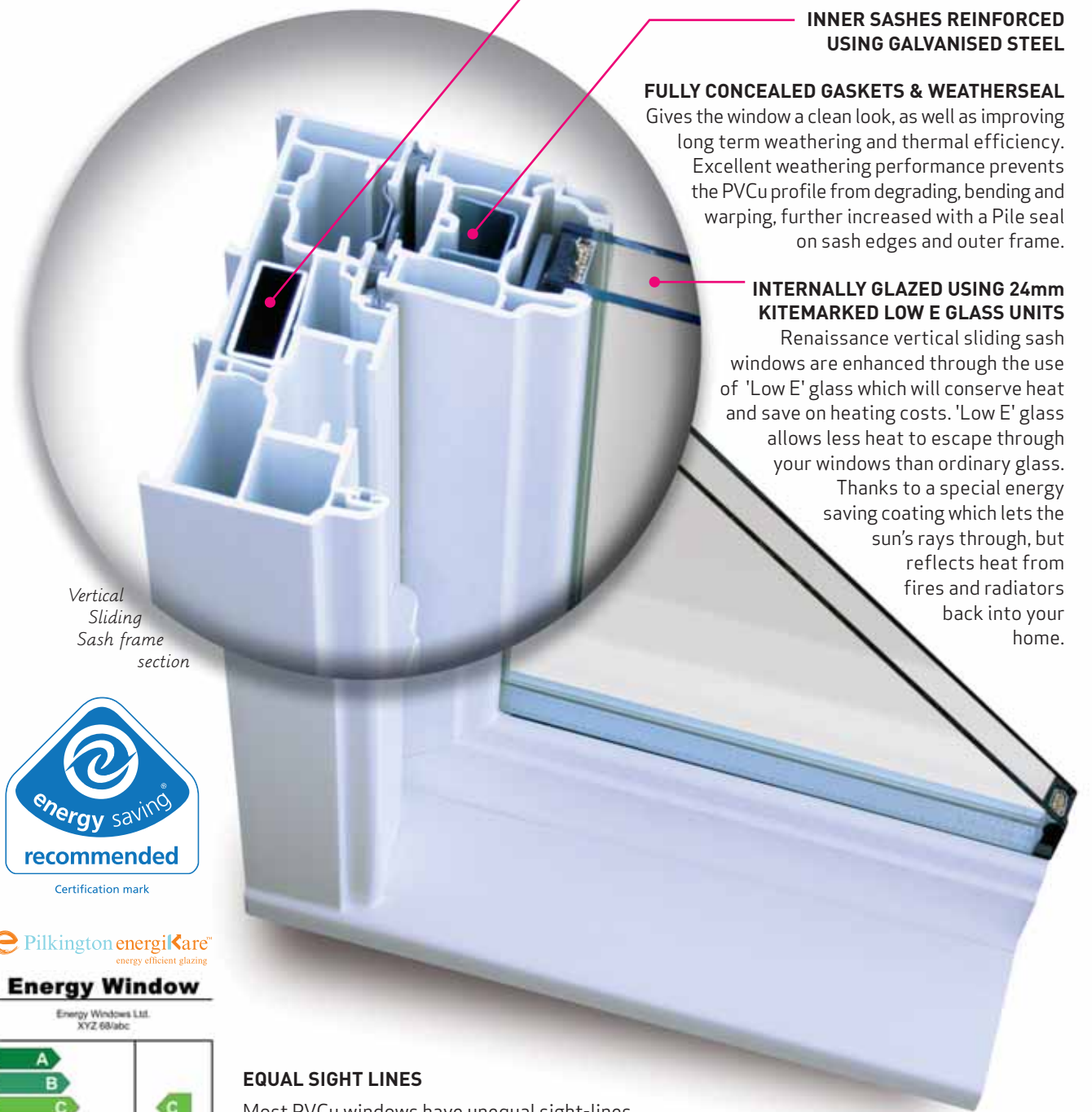
#### ATTENTION

#### IMPORTANT SAFETY GLASS INFORMATION:

However you use glass it is essential for safety and performance reasons that it is correctly specified and installed. Common areas of impact risk, where it is recommended that impact safety glass to BS 6206 is installed, include: Glazed doors, Glazing adjacent to doors, Low level glazing and Bathroom areas.

# TECHNICAL & QUALITY

## QUALITY ASSURED THROUGHOUT



Vertical Sliding Sash frame section

**MULTI CHAMBER OUTER FRAME REINFORCED USING ALUMINIUM**

**INNER SASHES REINFORCED USING GALVANISED STEEL**

**FULLY CONCEALED GASKETS & WEATHERSEAL**  
Gives the window a clean look, as well as improving long term weathering and thermal efficiency. Excellent weathering performance prevents the PVCu profile from degrading, bending and warping, further increased with a Pile seal on sash edges and outer frame.

**INTERNALLY GLAZED USING 24mm KITEMARKED LOW E GLASS UNITS**

Renaissance vertical sliding sash windows are enhanced through the use of 'Low E' glass which will conserve heat and save on heating costs. 'Low E' glass allows less heat to escape through your windows than ordinary glass. Thanks to a special energy saving coating which lets the sun's rays through, but reflects heat from fires and radiators back into your home.



Certification mark



### Energy Window

Energy Windows Ltd.  
XYZ 68abc

A	C
B	
C	
D	
E	
F	
G	

Energy Index (kWh/m<sup>2</sup>/year)  
(Energy Index certified by BRC) and based on all standard windows. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature.)

-20

The climate zone is:

UK

Thermal Transmittance (U<sub>g</sub>)

1.5 W/m<sup>2</sup>/K

Solar Factor (g<sub>g</sub>)

0.41 W/m<sup>2</sup>/K

Effective Air Leakage (l/s/m<sup>3</sup>/K)

0.02 W/m<sup>3</sup>/K

Reg. No.: XXXX  
www.bfrc.org

### EQUAL SIGHT LINES

Most PVCu windows have unequal sight-lines.

This is where the glass in the opening sections appears to be smaller than the glass in the fixed part sections. To duplicate the equal sight lines of the traditional sliding sash we have created a special insert which is fitted to the non opening section to reduce its width to match that of the opening sash. Thus a more aesthetic appearance is obtained.

Other enhanced properties include:

### FACTORY TENSIONED BALANCES

### KEY OPERATED LOCK

### TILT RESTRICTORS



# CASEMENT WINDOWS

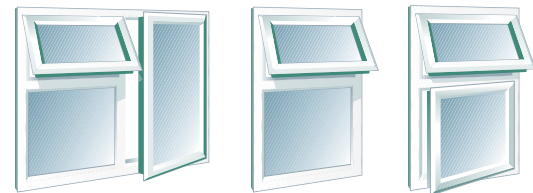
## DIFFERENT STYLES FOR DIFFERENT NEEDS

### CREATE YOUR IDEAL HOME

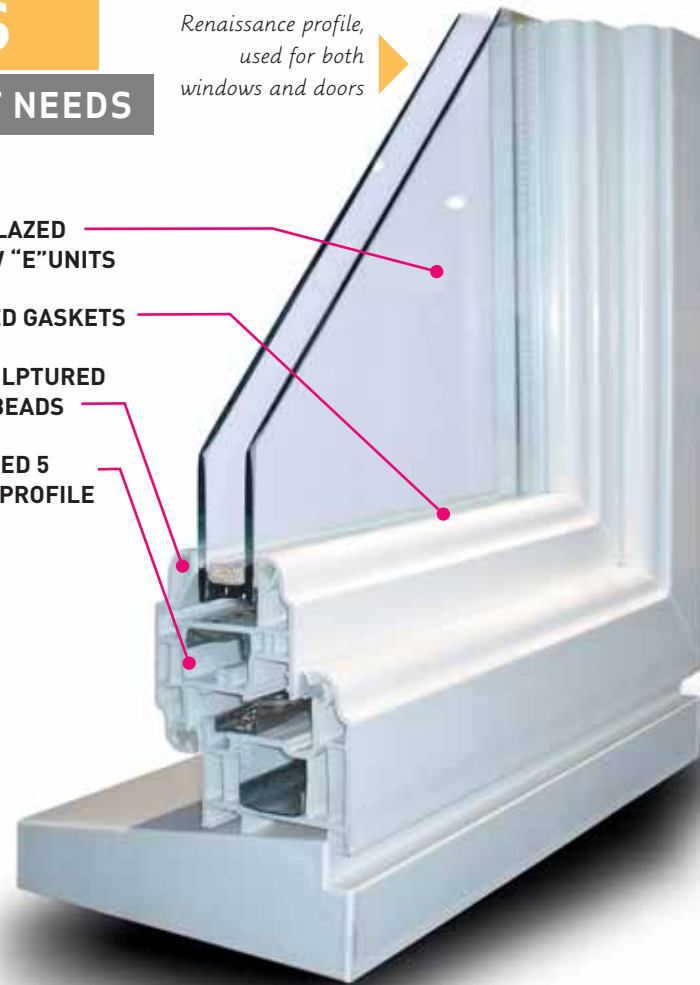
Choose any combination of Renaissance PVC products for your home and you can be assured of a perfect match throughout. Casement windows, tilting windows, vertical sliding sash windows, bay & bow windows, casement doors and french doors, all designed in unison for today's modern living.



*Different windows and doors for different needs. Totally integrated system ~ so you can mix and match products throughout your home in total harmony.*



- DOUBLE GLAZED 28mm LOW "E" UNITS**
- CONCEALED GASKETS**
- FULLY SCULPTURED FRAME & BEADS**
- SCULPTURED 5 CHAMBER PROFILE**



*Renaissance profile, used for both windows and doors*

- Integrates perfectly with any window or door styles
- Fully sculptured frames, beads & Astragal bars
- Fully concealed gaskets fitted as standard
- PVCu is a natural insulator
- Low maintenance PVCu (requires no painting)
- No more warping, swelling, rattling or distortion



*Utilising the Renaissance range; Casement windows, VS's and patio door, all perfectly matching.*

# CASEMENT DOORS

## MAKE AN ENTRANCE

... with our PVCu doors, whether it be standard casement door or french doors. Manufactured from high grade PVCu all of our products are designed to provide excellent performance, security, strength, quality, weathering and durability while remaining easy to operate and maintenance-free. The styles, finishes and decorative options available are as extensive as our window range and integrate perfectly together.

*Extremely strong and durable. 3 Flag hinges fitted as standard on all of our doors (colours options available).*



**Oak Casement door**  
Fully complements VS side windows



**White PVC French Doors**  
Compliments VS windows



▶ As for styles you can have just about whatever you want; panelled, half glazed, fully glazed, patterned, stained, top lights or side lights. Casement door, French Door, Patio Door (More options available in-store)



### DISABLED ACCESS DOORS:

Some doors may need to meet disabled access legislations. If you are unsure whether your doors need to meet these requirements then speak with your supplier or local planning office as minimum widths/heights and low thresholds may be required.

# CASE STUDIES

## RENAISSANCE INSTALLATIONS

### BIG OR SMALL - RENAISSANCE HAS IT ALL

Now you can relax in your cozy, warm home, comfortable and safe .....

