



# FlushSash

Including new *Slim Sightline French Window*.



# FlushSash

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## Introduction



**The VEKA and Halo FlushSash have been a popular choice with Fabricators for many years, and as the market increase of 88% shows, is increasingly popular with homeowners. To ensure our FlushSash remains at the forefront of the market we are introducing the FlushSash with Slim Sightlines.**

The sleek FlushSash with Slim Sightlines offers the next level to homeowners with virtually no sightlines. Our patent pending concealed mullion ensures a slick looking window with all the modern benefits of PVC-u. Slim sightlines are usually found on timber windows making the FlushSash an ideal alternative or replacement to tired looking timber windows.



As well as fully welded options FlushSash can be mechanically jointed, ensuring they are virtually indistinguishable from timber windows to homeowners, especially when one of our industry leading Variations woodgrains are chosen.

So you can now offer a modern, traditional window with all the benefits of thermally efficient low maintenance PVC-u.



**20% reduction in sightline dimensions increasing the glass area creating more light.**

**88%**  
Market Increase

# FlushSash

It's all in *the detail.*



Slim Sightline



Standard Sightline



## Market info.



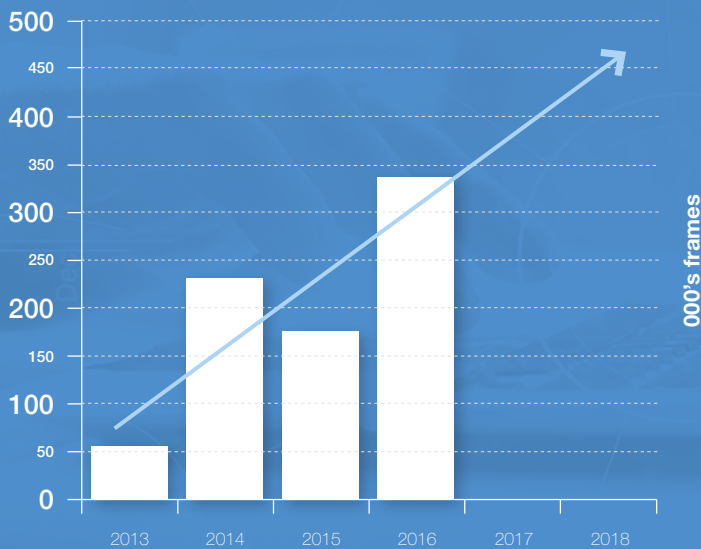
Since sales of Flush casement windows have been identified in their own right, the volume increase of their share of the market has been dramatic.

The 2017 Palmer Market Research report, Window, Door and Conservatory Markets in Housing in Great Britain, recorded an 88% increase in installations to a total of 335,000 frames annually, at the same time doubling the market share of Flush casements to 5%.

All indications based on historic patterns and current sales suggests that rapid rate of growth will continue. Within a market that is flat overall, Flush casements stand out as an attractive segment to service.

## Chart

Configurations (Styles) in the window market in housing in Great Britain 2016



Credit: Palmer Market Research 2017

# 5%

Flush Casement  
Market Share

# FlushSash

FlushSash boasts impressive figures in terms of thermal performance, security, versatility and environmental credentials.

**Here are its vital statistics...**

U Value of  
**1.0**

Achieves  
**PAS 24\***

WER Rating  
of **A<sup>(+17)</sup><sub>+</sub>**



**\*PAS 24 and Document Q are achieved with the standard FlushSash, NOT with the Slim Sightline Mullion version.**

# FlushSash



**29**  
**colour options**  
UP TO 14 FROM STOCK

Triple glazed  
ready upto  
**36mm**

Meets the  
requirements of  
document

**Q\***





## Thermal performance



**Please find detailed calculations for FlushSash U-Values and Energy Ratings in the table below.**

FlushSash can return an A rated casement window using an intermediate outer frame, and at its top specification can achieve an A+ (+17) rating.

### The VEKA Group energy rating calculator

Ask a member of our Technical Team about

The VEKA Group's window and door energy performance calculator – BSI notified and BFRC certified.

The calculator is unique to each fabricator and their products, and allows for the generation of accurate SELs/DSELs in accordance with the BFRC and notified U-Values for CE Marking in accordance with EN 14351.



Product Spec.	Reinforcement	System 10 (70)		Rustique		Matrix FS	
FlushSash Double Glazed Best Rating	Domestic	A(9)	1.4	A+(10)	1.4	A+(10)	1.4
	Insert & Steel	A(9)	1.4	A+(10)	1.4	A+(10)	1.4
	Full Steel	A(6)	1.4	A(7)	1.4	A(6)	1.4
FlushSash Double Glazed Best U-value	Domestic	B(-8)	1.3	B(-7)	1.3	B(-7)	1.3
	Insert & Steel	B(-8)	1.3	B(-8)	1.3	B(-7)	1.3
	Full Steel	C(-11)	1.3	C(-11)	1.3	C(-11)	1.3
FlushSash Triple Glazed Best Rating	Domestic	A+(15)	1.0	A+(17)	1.0	A+(17)	1.0
	Insert & Steel	A+(15)	1.0	A+(16)	1.0	A+(16)	1.1
	Full Steel	A+(12)	1.1	A+(13)	1.1	A+(12)	1.1
FlushSash Triple Glazed Best U-value	Domestic	B(-4)	0.98	B(-3)	0.97	B(-5)	0.99
	Insert & Steel	B(-4)	0.99	B(-4)	0.98	B(-5)	0.99
	Full Steel	B(-7)	1.0	B(-6)	1.0	B(-8)	1.0





# FlushSash

## Colours



Colour	Sides/Base		Ref	RAL Colour	FlushSash System 10	FlushSash Rustique	FlushSash Matrix FS
Rosewood	2	Brown	Rswd	8015			
Rosewood	1	White	Rswd	8015			
Golden Oak/Chry	2	Caramel	GOak	8001			
Golden Oak/Chry	1	White	GOak	8001			
Irish Oak	1	White	IOak	1011			
Cream	1	White	Crem	9001			
Cream	2	White	Crem	9001			
Beck Brown	1	White	Blick	8022			
White	2	White	White	9010			
Anthracite Grey	1	White	Anth	7016			
Anthracite Grey	2	White	Anth	7016			
Anthracite Grey Smooth	1	White	Anth#	7016			
Silver Grey	2	White	Silv	7001			
Slate Grey	1	White	Site	7015			
Irish Oak	2	Caramel	IOak	1011			
Chartwell Green	1	White	CGrn	-			

Ex-Stock

4 weeks

Lead times refer to deliveries to the Fabricator

### MOQ

1 Pack (made to order by agreement)

### Colours

The following colours are available as Ex-stock.



The following colours are available to agreed lead times, typically 4 weeks.



# FlushSash

## VEKA FlushSash Wallchart



**112380**  
End Groove Seal  
(Black/White)

**712043**  
Flush Sash Seal

**109040**  
French Mullion End Cap  
PVC (White/Brown/Caramel)  
(White/Brown/Caramel)

**109130**  
Slim Sightline  
Mullion Cover

**109131**  
Slim Sightline  
Mullion End Cap

**104395**  
French Mullion  
Adapter

**104495**  
Slim Sightline  
Mullion

**104385**  
French Mullion  
Adapter

**104485**  
Slim Sightline  
Mullion

**702533 (P10533)**  
20mm T-Track  
Steel Box 713147  
Steel Box 713155

**703810 (P10527)**  
Panel Isolation  
713228 (B02206)  
Prepped Steel L 713227 (B02227)

**707429 (P10429)**  
24mm Glazing Bead

**707431 (P10431)**  
24mm Glazing Bead

**707427 (P10427)**  
25mm Glazing Bead

**707432 (P10432)**  
28mm Glazing Bead

**707426 (P10426)**  
35mm Glazing Bead

**707437 (P10437)**  
36mm Glazing Bead

**709824**  
(P10103)  
Georgian Bar

**709213 (M00213)**  
Clip In Spacer (White)

**140177.1**  
Pull In Wedge  
(Frame Part)

**140177.2**  
Pull In Wedge  
(Sash Part)

**108029**  
Run Up Block

**109030**  
Weather Bar  
109140 End Cap  
(White/Brown/Caramel)

**744163**  
(H00163)  
Weather Bar Screw  
(Nipple Screw)

**109103**  
Matrix FS Flush  
Sash Finger Spacer

**141458**  
Corner Chassis

**KEY:**

**DO NOT SCALE** the drawings shown are visual representations only. VEKA PLC has the right to alter the designs, specifications & descriptions without prior notice. The availability of accessories is subject to change without prior notice.

The VEKA Flush Sash profile and associated parts are designed to function with the Matrix Fully Sculptured profile suite. For outframe manufacturing details please refer to the relevant manual.

## Halo FlushSash Wallchart



**112380**  
Bead (Chrome/Al) (Black/White)

**712043**  
Flush Sash Bead

**712046**  
(602046)  
Pipette Bead

**104395**  
French Mullion Adapter

**104495**  
Slim Sighline Mullion

**109130**  
Slim Sighline Mullion Cover

**109131**  
Slim Sighline Mullion End Cap

**703810 (P10527)**  
Panel 18 Bead (Prepped Stone L, 713228 (B02206), 713227 (B02227))

**702533 (P10533)**  
20mm T. Threshold Bead (Prepped Stone L, 713147, 713155)

**109040**  
French Mullion End Cap (White/Brown/Caramel)

**707429 (P10429)**  
24mm Glazing Bead

**707431 (P10431)**  
24mm Glazing Bead

**707427 (P10427)**  
25mm Glazing Bead

**707432 (P10432)**  
28mm Glazing Bead

**707426 (P10426)**  
35mm Glazing Bead

**707437 (P10437)**  
36mm Glazing Bead

**709824**  
Georgian Bar (P10103)

**709213 (M00213)**  
Clip In Packer (White)

**140177.1**  
Pull In Wedge (Frame Part)

**140177.2**  
Pull In Wedge (Sash Part)

**108029**  
Run Up Bead

**109030**  
10140 End Cap (White/Brown/Caramel)

**744163**  
(H00163)  
Weather Bar Screw (Nipple Screw)

**709109**  
Flush Sash Hinge Packer

**141458**  
Corner Chassis

**KEY:**

- PVC Profile
- Gasket
- Bead
- Aluminum

**DO NOT SCALE** the drawings shown are visual representations only. HALO has the right to alter the designs, specifications, & descriptions without prior notice. HALO reserves the right to make changes to specifications, drawings, and improvements.

The HALO Flush Sash profile and associated parts are designed to function with the HALO System 10 and HALO Rustique profile suites. The materials shown on this page are used in conjunction with either system.

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# FlushSash

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Due to the limitations of the printing process we recommend that an accurate colour swatch is requested prior to ordering.  
The company cannot accept any responsibility for colours or images shown in this brochure.  
All information within this brochure is correct at time of going to print.



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FOR THE FUTURE  
FOR LIFE