

## Kitemark™ Certificate

This is to certify that:

Veka plc  
Farrington Road  
Rossendale Road Industrial Estate  
Burnley  
BB11 5DA  
United Kingdom

Holds Certificate Number:

KM 33520

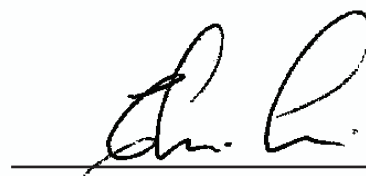
In respect of:

**BS EN 12608 / PAS24**  
**PVCU Profile - Enhanced Security Windows System Supplier**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:



Chris Lewis - Certification Director, Product Certification

First Issued: 1995-03-17

Latest Issue: 2017-12-15

Effective Date: 2017-12-15

Expiry Date: 2020-12-14



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# Kitemark™ Certificate

No. KM 33520

## **BS EN 12608:2003 / PAS 24:2016 - General and enhanced security performance requirements for window assemblies.**

This Certificate covers the following window system design specification. The following materials are also certificated for use with windows and doors in conjunction with BS 7412 and PAS 24 when foiled in accordance with BS 7722:2010: Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

### **Halo 70mm System 10 PVC-U Window System**

<b>Fabrication and Installation:</b>	Fabricated and installed in accordance with the latest issue(s) of the following Veka plc controlled manual(s): 70mm System 10 and Rustique System Technical Manual	
<b>System description:</b>	The windows are double glazed, internally or externally beaded*, multipoint locking, with welded transoms/mullions, tee joints and are classified W (* Dependant on Window Type)	
<b>Ventilation:</b>	None	
<b>Window Types:</b>	Casement windows (inc.Flush,Twin, Smart & *Storm 2 Sash)	Securistyle Defender, Yale Std, DGS Elite, Nico Heavy Duty, Cotswold EZ or Cotswold Sinidex Friction Stays, Halo Security Claw, Securistyle Vector Excluder ASD2, Nico Xtra Bolt , GT Stayguard Elite SG036, Window Ware Kore and Maco Hinge Protectors, Roto RA2000, Roto TSL Yale Blade,Yale Encloser # Nico Multilock, Nico Mk 2 Shootbolt, Maco Rail, Maco MK I, Maco MK II, Maco MSPAG Telescopic or Maco MSPAG Croppable espagnolette locking .
	Tilt/Turn windows (inc.Smart Sash)	Roto NT,Roto NT Royale; Maco MULTI-MATIC Face Fixed Hinge Security, Siegenia FAVORIT Si-line Face Fixed Hinge Security, Siegenia FAVORIT axcent Concealed Hinge Security
	Glazing	GT Securi-Clips
	Fixed Windows Multilight windows comprising opening light(s) and/or fixed light(s)	
	*Storm 2 Sash = Limited Availability # Yale Encloser maximum sash size 1300mm	

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## Halo 70mm System 10 PVC-U Window System

### Size Limitations and Performance Characteristics

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Overall dimensions for windows with approved outer frame profiles:									
Internally glazed									
Projecting top hungs Part reinforced*	1178	1178	-	24"	-	4	E1050	4	1600
Projecting top hungs Reinforced*	1400	1400	-	24"	-	3	7A	A3	1200
Projecting top hungs Smart Sash	1246	1446	-	24"	-	4	E1050	E2400	2400
Projecting side hungs Part reinforced*	628	1278	-	16"	-	3	7A	4	1600
Projecting side hungs Reinforced*	800	1550	-	16"	-	4	8A	A4	1600
Projecting side hungs Smart Sash	846	1746	-	16"	-	4	E1050	E2400	2400
Projecting side hungs Flush Sash	620	1270	-	16"	-	4	9A	4	1600
Externally glazed									
Projecting top hungs Part reinforced	1178	1178	-	24"	-	2	E1050	4	1600
Projecting side hungs Part reinforced	628	1278	-	16"	-	3	E900	4	1600
Tilt/Turns	1414	1414	-	-	-	4	E1050	A4	1600
Tilt/Turns Smart Sash	1414	1414	-	-	-	4	E1050	A4	1600

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No. KM 33520

## Halo 70mm System 10 PVC-U Window System

### Size Limitations and Performance Characteristics (continued)

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Overall dimensions for windows with approved outerframe profiles									
Fixed Part reinforced*	3000	3000	9	-	-	4	E750	4	1600
Twin Sash	1250	1250	1.56	-	-	4	9A	E2400	2400
Multilights Unreinforced	1800	1800	1.8	-	1000	3	E750	4	1600
Multilights, 713155/S00155 T/M reinforcement	1662	1602	2.66	-	1602	4	8A	A4	1600
Multilights 713158/S00158 t/mreinforcement	2000	2000	2.7	-	1350	4	7A	4	1600

\*Inc. Storm 2 Casement Range = Limited Availability

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