

# Kitemark™ Certificate

This is to certify that:

The Parkside Group Ltd  
Units 5  
The Willow Centre  
17 Willow Lane  
Mitcham  
Surrey  
CR4 4NX  
United Kingdom

Holds Certificate Number:

KM 578160

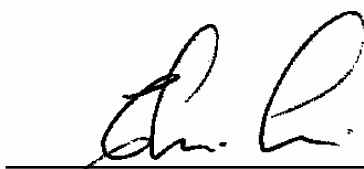
In respect of:

**BS 4873 / PAS24**  
**Enhanced Security Aluminium Window 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: 2012-03-16

Latest Issue: 2018-04-10

Effective Date: 2018-04-10

Expiry Date: 2020-11-07



Page: 1 of 13

...making excellence a habit.™

# Kitemark™ Certificate

No. KM 578160

## **BS 4873:2016/ PAS 24:2016 - Enhanced security performance requirements for window assemblies.**

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

<b>System(s):</b>	<b>Comar 5Pi Aluminium Alloy Window System</b>
<b>Fabrication and Installation:</b>	<p>Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:</p> <p>Comar 5Pi Window System Technical Manual Comar 5Pi Enhanced Security Document</p>
<b>System description:</b>	The windows are internally glazed only, double glazed only, multipoint locking only with mechanically fixed transoms/mullions
<b>Ventilation:</b>	None
<b>Window Types:</b>	Tilt/turn windows - Comar Security Hardware Multilight windows comprising opening light(s) and/or fixed light(s)

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Expiry Date: 2020-11-07

Page: 2 of 13

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# Kitemark™ Certificate

No. KM 578160

## Comar 5Pi Aluminium Alloy Window System Size Limitations and Performance characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	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 (except*)
Sash dimensions for approved tilt/turn sash profiles:								
Tilt/turns	1100	1600	-	-	4	7A	2400	2400*
Overall dimensions for approved outer frames & transom/mullion profiles:								
Multilight Tilt & Turn CS 435 Mullion	1200	1600	-	1550	4	5A	A5	2000

\*as given in Table 1 of BS 6375-1:2004

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Expiry Date: 2020-11-07

Page: 3 of 13

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<b>System(s):</b>	<b>Comar 5Pi Advanced Aluminium Alloy Window System</b>
<b>Fabrication and Installation:</b>	Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:  Comar 5Pi Advanced Window System Technical Manual Comar 5Pi Advanced Enhanced Security Document
<b>System description:</b>	The windows are internally glazed only, double glazed only, multipoint locking only with mechanically fixed transoms/mullions
<b>Ventilation:</b>	None
<b>Window Types:</b>	Casement windows - Kenrick espagnolette system operated by a key locking handle and Sterling hinge

First Issued: 2012-03-16  
Latest Issue: 2018-04-10

Effective Date: 2018-04-10  
Expiry Date: 2020-11-07

Page: 4 of 13

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## Comar 5Pi Advanced Aluminium Alloy Window System Size Limitations and Performance characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	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
Sash dimensions for approved tilt/turn sash profiles:								
Projecting top hungs	1180	1430	-	-	4	9A	A5	2000

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Latest Issue: 2018-04-10

Effective Date: 2018-04-10

Expiry Date: 2020-11-07

Page: 5 of 13

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## **BS 4873:2016 / PAS 24:2016 - Enhanced security performance requirements for window assemblies.**

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

<b>System(s):</b>	<b>Comar 5Pi ECO 55/75 Aluminium Alloy Window System</b>
<b>Fabrication and Installation:</b>	<p>Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:</p> <p>Comar 5Pi ECO Window System Technical Manual Comar 5Pi ECO Enhanced Security Document</p>
<b>System description:</b>	The windows are internally glazed only, double glazed only, multipoint locking only with mechanically fixed transoms/mullions
<b>Ventilation:</b>	None
<b>Window Types:</b>	<p>Casement windows - Comar Security Hardware</p> <p>Multilight windows comprising opening light(s) and/or fixed light(s)</p>

First Issued: 2012-03-16  
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Page: 6 of 13

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## Comar 5Pi ECO 55/75 Aluminium Alloy Window System Size Limitations and Performance Characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area (m <sup>2</sup> ) - Maximum	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 (except*)
Sash dimensions for approved casement sash profiles:								
Projecting top hungs	1100	1116	-	-	4	7A	2400	2400*
Overall dimensions for approved outer frames & transom/mullion profiles:								
Multilight Projecting side hung next to Projecting side hung Mullion CS 835	1305	1330	-	1270	2	E750	AE	2400
Multilight Projecting side hung next to Fixed Mullion CS 835	1300	1320	-	1235	4	E600	E2400	2400

\*as given in Table 1 of BS 6375-1:2004

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Effective Date: 2018-04-10

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Page: 7 of 13

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**BS 4873:2016 / PAS 24:2016 - Enhanced security performance requirements for window assemblies.**

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

<b>System(s):</b>	<b>Comar 5Pi ECO+ Aluminium Alloy Window System</b>
<b>Fabrication and Installation:</b>	<p>Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:</p> <p>Comar 5Pi ECO+ Window System Technical Manual Comar 5Pi ECO+ Enhanced Security Document</p>
<b>System description:</b>	<p>The windows are internally glazed only, double glazed only, with mechanically fixed transoms/mullions. Locking mechanism ERA (LK5846XKIT) and hinges Securistyle (HN806XSLF).</p>
<b>Ventilation:</b>	None
<b>Window Types:</b>	Casement windows

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Effective Date: 2018-04-10  
Expiry Date: 2020-11-07

Page: 8 of 13

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## Comar 5Pi ECO+ Aluminium Alloy Window System Size Limitations and Performance Characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area (m <sup>2</sup> ) - Maximum	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
Sash dimensions for approved casement sash profiles:								
Projecting top hungs	1152	1152	-	-	4	E750	2400	2400

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Effective Date: 2018-04-10

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Page: 9 of 13

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<b>System(s):</b>	<b>Comar 9Pi Aluminium Alloy Window System</b>
<b>Fabrication and Installation:</b>	<p>Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:</p> <p>Comar 9Pi Window System Technical Manual Comar 9Pi Enhanced Security Document</p>
<b>System description:</b>	<p>The windows are internally glazed only, double glazed only, multipoint locking only with mechanically fixed transoms/mullions</p>
<b>Ventilation:</b>	<p>None</p>
<b>Window Types:</b>	<p>Casement windows - Giesse locking system operated by a key locking handle and Giesse hinges or Winlock locking system operated by a key locking handle and Sterling hinges</p> <p>Tilt/turn windows - Giesse T/T locking system operated by a key locking handle and T/T Giesse hinges or Sobinco T/T gearing operated by a key locking handle</p>

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Page: 10 of 13

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## Comar 9Pi Aluminium Alloy Window System Size Limitations and Performance characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	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
Sash dimensions for approved casement sash profiles:								
Projecting top hungs	995	1595	-	-	4	E900	A5	2000
Projecting side hungs	1180	1440	-	-	4	9A	AE	2400
Overall dimensions for approved outer frames & transom/mullion profiles:								
Tilt/turns	1180	1440	-	-	4	9A	AE	2400
Tilt/turns	1040	1650	-	-	4	E750	A5	2000

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Page: 11 of 13

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This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

**System(s):** **Comar 10 Passivhaus Tilt/Turn Aluminium Alloy Window System**

**Fabrication and Installation:** Fabricated and installed in accordance with the latest issue(s) of the following Comar Architectural Aluminium Systems controlled documentation:

Comar 10 Passivhaus Tilt/Turn Window System Technical Manual

Comar 10 Passivhaus Tilt/Turn Enhanced Security Document

**System description:** The windows are internally glazed only, double or triple glazed, using Siegenia Concealed Hinge Tilt Turn Titan AF / PW001-PW077 and Comar Tilt Turn Locking Handle

**Ventilation:** None

**Window Types:** Tilt/turn windows

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Page: 12 of 13

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## Comar 10 Passivhaus Tilt/Turn Aluminium Alloy Window System Size Limitations and Performance characteristics

Window Type	Width (mm) - Maximum	Height (mm) - Maximum	Area(m <sup>2</sup> ) - Maximum	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 (except*)
Overall dimensions for approved tilt/turn outer frames:								
Tilt/turns	1280	2220	-	-	4	9A	C5/B5	1600*

\*as given in Table 1 of BS 6375-1:2004

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Page: 13 of 13

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