

Kitemark™ Certificate

This is to certify that:

Douglas Commercial Fabrications Ltd
Unit 1 Hemlock Park
Hyssop Close
Cannock
WS11 7FB
United Kingdom

Holds Certificate Number:

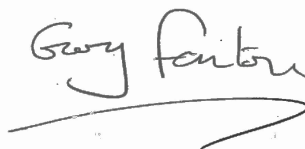
KM 618245

In respect of:

BS 4873
Aluminium Window Fabricator

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:

Gary Fenton, Global Product Certification Director

First Issued: 02/11/2015

Latest Issue: 02/11/2015



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...making excellence a habit.™

Kitemark™ Certificate

No. KM 618245

BS 4873:2009 - Aluminium alloy windows and doorsets.

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.

Sapa 75mm Dualframe Aluminium Alloy Window Systems

Sapa Si Aluminium Alloy Window System

Fabrication and Installation:

Fabricated and installed in accordance with the latest issue(s) of the following Sapa Building Systems Limited controlled manual incorporating Scope of Certification:

75mm Casement Window,
75mm Si Reversible Window,
75mm Si Casement Window,
75mm Si Tilt Before Turn Window.

System description:

The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions.

Ventilation:

Titon TV4000 Trimvent Trickle Vent controllable ventilator.

Window Types:

Casement windows
Reversible Windows
TBT windows
Dummy vent windows
Fixed windows
Multilight windows comprising opening and/or fixed light(s) or dummy vent(s)

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To check its validity telephone +44 (0) 845 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Kitemark™ Certificate

No. KM 618245

Size Limitations and Performance Characteristics

Sapa 75mm Dualframe Aluminium Alloy Window Systems

Sapa Si Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 windows with approved sash profiles:								
Projecting top hungs Standard vent	1315	1220	-	-	2	E1200	5	2000
Projecting top hungs HD vent	1720	1720	-	-	4	9A	E2400	2400
Projecting side hungs Standard vent	665	1265	-	-	4	9A	2000	2000
Projecting side hungs HD vent	838	1828	-	-	4	9A	2000	2000
Si Reversibles	1400	1400	-	-	4	9A	5	2000
75mm Si TBTs	1453 1053	1953 2453	-	-	4	E1050	E2400	2400
Dummy vents	1497	1497	5272	-	(600)	(600)	(2400)	2400 Special*
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2240	2240	8960	-	4	9A	C5	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights	3000	3000	10000	#	-	-	-	-

* as given in Table 1 of BS 6375-1:1989

Mullion and transom strengths are to be calculated for each project application in accordance with current standards and design codes.

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BS 4873:2009 - Aluminium alloy windows and doorsets.

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.

Sapa Crown Aluminium Alloy Window Systems

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following Sapa Building Systems Limited controlled manual incorporating Scope of Certification:
Crown Casement Window

System description: The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions.

Ventilation: Titon TV4000 Trimvent Trickle Vent controllable ventilator.

Window Types: Casement windows
Fixed windows
Multilight windows comprising opening and/or fixed light(s) or dummy vent(s)

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Size Limitations and Performance Characteristics

Sapa Crown Aluminium Alloy Window Systems

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 windows with approved sash profiles:								
Projecting top hungs	1200	1355	-	-	3	9A	B5	2000
Projecting side hungs	756	1359	-	-	4	9A	C5	2000
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2236	2236	8944	-	4	9A	C5	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights	2200	1390	7180	1390	3	9A	B5	2000
Multilights	2013	1405	6836	1405	3	9A	B5	2000
Multilights	1500	1360	5720	1360	4	9A	B5	2000

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