

# Kitemark™ Certificate

This is to certify that:

Fair Share Group Ltd  
T/A Highseal Manufacturing Company  
26 Hebden Road  
Scunthorpe  
DN15 8DT  
United Kingdom

Holds Certificate Number:

KM 664049

In respect of:

**BS 7412**  
**PVC-U 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: 17/03/2017

Latest Issue: 17/03/2017



# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Evolve Suite 60mm PVC-U System**

**Fabrication and installation:**

Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):

Evolve 60 Technical Manual  
Kitemarked Synseal Products List

**System description:**

The windows are double glazed only, internally or externally beaded, multipoint locking only, with welded transoms/mullions, tee and/or cruciform joints only

**Ventilation:**

None

**Product types:**

Casement windows  
Tilt/turn windows  
Vertically sliding (tilt sash) windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 2 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Evolve Suite 60mm PVC-U 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 *)
Projecting top hungs Part reinforced	1060	1060	-	-	-	-	-	2400 Special*
Projecting side hungs Reinforced	650	1350	-	-	-	-	-	2400 Special*
Projecting side hungs Reinforced	730	1300	-	-	-	-	-	2400 Special*
Tilt/turns Part reinforced	1040	1040	-	-	-	-	-	1600 Special*
Tilt/turns Reinforced	1200	1260	-	-	-	-	-	1600 Special*
Tilt/turns Reinforced	1040	1530	-	-	-	-	-	1600 Special*
Vertically sliders	1200	1800	-	-	3	5A	B3	1200
Fixeds Unreinforced	1500	1500	6000	-	-	-	-	2400 Special*
Multilights, Unreinforced T/M	1900	1900	5900	1050	-	-	-	1200 Special*
Multilights, Unreinforced T/M	1500	1500	5000	1000	-	-	-	1600 Special*
Multilights, 3RS-OLT1L T/M reinforcement	1500	1500	5400	1200	-	-	-	1200 Special*
Multilights, 3RS-OLT1L T/M reinforcement	2000	2000	6500	1250	-	-	-	1600 Special*
Multilights, 3RS-OLT1L T/M reinforcement	2650	2650	7500	1100	-	-	-	1200 Special*
Multilights, 3RS-OLT1L T/M reinforcement	1700	1700	6800	1700	-	-	-	1200 Special*

\* as given in Table 1 of BS 7412:2002

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 3 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Synerjy Suite PVC-U System**

**Fabrication and installation:** Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):

Synerjy Suite Technical Manual  
Kitemarked Synseal Products List

**System description:** The windows are double glazed only, internally beaded only, multipoint locking only, with welded transoms/mullions, tee and/or cruciform joints only

**Ventilation:** None

**Product types:** Casement windows  
Tilt/turn windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double leaf doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 4 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Synerjy Suite PVC-U 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
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs TPR reinforcement	1335	1145	-	-	4	E1050	A4	1600
Projecting top hungs Reinforced	1156	1156	-	-	4	8A	A5	2000
Projecting side hungs TPR reinforcement	636	1336	-	-	4	E1050	AE2400	2400
Projecting side hungs Reinforced	606	1356	-	-	3	7A	A5	2000
Tilt/turns Reinforced	1116	1416	-	-	4	6A	A4	1600
Overall dimensions for windows with approved outer frames:								
Fixeds Unreinforced	2500	2500	8200	-	4	9A	A5	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, TPR T/M reinforcement	1480	1480	5400	1480	4	E1050	A4	1600
Multilights, RS73 T/M reinforcement	1800	1800	6000	1200	4	6A	A5	2000
Multilights, RS73 T/M reinforcement	1400	1400	5400	1400	4	6A	A4	1600
Multilights, RS74 T/M reinforcement	2400	2400	7800	1500	4	6A	A4	1600
Multilights, RS74 T/M reinforcement	1400	1400	5400	1400	4	6A	A5	2000
Multilights, RS81 T/M reinforcement	1600	1600	6400	1600	4	6A	A4	1600

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 5 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Shield PVC-U System**

**Fabrication and installation:**

Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):

Shield Technical Manual

Kitemarked Synseal Products List

**System description:**

The windows are double glazed only, internally or externally beaded, multipoint locking only, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints

**Ventilation:**

None

**Product types:**

Casement windows  
Tilt/turn windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double leaf doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 6 of 21

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### **Shield 6 Series PVC-U System**

<b>Fabrication and installation:</b>	Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):  Shield 6 Series Technical Manual Kitemarked Synseal Products List
<b>System description:</b>	The windows are double glazed only, internally beaded only, multipoint locking only, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints
<b>Ventilation:</b>	None
<b>Product types:</b>	Casement windows Fixed windows Multilight windows comprising opening light(s) and/or fixed light(s) Single and Double leaf doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 7 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Shield PVC-U Window System

### Shield 6 Series PVC-U 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
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs TPR reinforcement	1335	1145	-	-	4	E1050	4	1600
Projecting top hungs Reinforced	1156	1156	-	-	4	8A	5	2000
Projecting side hungs TPR reinforcement	636	1336	-	-	4	E1050	E2400	2400
Projecting side hungs Reinforced	606	1356	-	-	3	7A	5	2000
Tilt/turns Reinforced	1116	1416	-	-	4	6A	4	1600
Overall dimensions for windows with approved outer frames:								
Fixeds Unreinforced	2500	2500	8200	-	4	9A	5	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, TPR T/M reinforcement	1480	1480	5400	1480	4	E1050	4	1600
Multilights, RA71 T/M reinforcement	1500	1500	6000	1500	4	6A	4	1600
Multilights, RS73 T/M reinforcement	1800	1800	6000	1200	4	6A	5	2000
Multilights, RS73 T/M reinforcement	1400	1400	5400	1400	4	6A	4	1600
Multilights, RS74 T/M reinforcement	2400	2400	7800	1500	4	6A	4	1600
Multilights, RS74 T/M reinforcement	1400	1400	5400	1400	4	6A	5	2000

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 8 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Legend 70 Suite PVC-U System**

**Fabrication and installation:**

Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):

Legend 70 Fabrication Manual; 70mm Glaze-in Window Manual; 70mm Glaze-in Ovolo Window Manual; 70mm Glaze-out Window Manual and 70mm Tilt & Turn Window Manual  
Kitemarked Synseal Products List

**System description:**

The windows are double glazed only, internally or externally beaded, multipoint locking only, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints

**Ventilation:**

None

**Product types:**

Casement windows  
Tilt/turn windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double Leaf Doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 9 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Legend 70 Suite PVC-U 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, Unreinforced	1000	1000	-	-	-	-	-	2400 Special*
Projecting top hungs, TPR reinforcement	1335	1145	-	-	4	8A	4	1600
Projecting top hungs, Aluminium reinf'ment	1100	1100	-	-	-	-	-	2400 Special*
Projecting top hungs, Steel reinforcement	1200	1200	-	-	-	-	-	2400 Special*
Projecting side hungs, Unreinforced	700	1000	-	-	-	-	-	2400 Special*
Projecting side hungs, TPR reinforcement	636	1336	-	-	4	9A	E2400	2400
Projecting side hungs, Aluminium reinf'ment	700	1200	-	-	-	-	-	2400 Special*
Projecting side hungs, Steel reinforcement	850	1500	-	-	-	-	-	2400 Special*
Tilt/turns	1500	2000	6000	-	-	-	-	2400 Special*
Overall dimensions for windows with approved outer frames:								
Fixeds	3000	3000	8000	-	-	-	-	2400 Special*

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 10 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Legend 70 Suite PVC-U 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 *)
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, Unreinforced T/M	1800	1800	5600	1000	-	-	-	2000 Special*
Multilights, TPR T/M reinforcement	1480	1480	5400	1480	4	8A	4	1600
Multilights, 5RA-FT1 T/M reinforcement	2200	2200	6600	1100	-	-	-	2400 Special*
Multilights, 5RS-FT1L T/M reinforcement	2500	2500	7800	1400	-	-	-	1600 Special*
Multilights, 5RS-FT1M T/M reinforcement	2600	2600	8200	1500	-	-	-	1200 Special*
Multilights, 5RS-FT1H T/M reinforcement	2600	2600	8600	1700	-	-	-	1200 Special*
Multilights, 5RS-T2 T/M reinforcement	2700	2700	9200	1900	-	-	-	1600 Special*
Multilights, 5RA-T1 T/M reinforcement	2400	2400	7200	1200	-	-	-	1600 Special*

\* as given in Table 1 of BS 7412:2002

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 11 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Sheerframe 6000 PVC-U System**

**Fabrication and installation:** Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):  
Sheerframe 6000 Manufacturing Manual  
Sheerframe 6000 BS EN 12608 Accreditation Annex

**System description:** The windows are double glazed only, internally or externally\* beaded, single or multipoint\* locking, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints (\* dependent on window type)

**Ventilation:** None

**Product types:** Casement windows  
Tilt/turn windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double leaf doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 12 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Sheerframe 6000 PVC-U 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
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs Unreinforced or Thermlock FP Reinforcement	1051	1051	-	-	2	8A	5	2000
Projecting top hungs Reinforced	1151	1151	-	-	2	E900	5	2000
Projecting side hungs Unreinforced or Thermlock FP reinforcement	551	1151	-	-	3	8A	5	2000
Projecting side hungs Reinforced	601	1301	-	-	2	9A	5	2000
Tilt/turns Part Reinforced	1113	1113	-	-	4	E1000	5	2000
Tilt/turns Reinforced	1263	1263	-	-	3	8A	5	2000
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2000	2000	8000	-	4	8A	5	2000
Overall dimensions for windows with approved outer frame profiles:								
Multilight Unreinforced T/M or FP 601 T/M reinforcement	1200	1200	6200	900	4	8A	5	2000
Multilight A601/TL601 T/M reinforcement	2100	2100	6900	1350	4	E1000	3	1200
Multilight, S601 T/M reinforcement	2100	2100	6900	1350	3	8A	5	2000

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 13 of 21

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No. KM 664049

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This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Sheerframe 7000 PVC-U System**

**Fabrication and installation:** Fabricated and installed in accordance with the latest issue(s) of the following LB Plastics Limited controlled manual(s):  
Sheerframe 7000 Manufacturing Manual  
Sheerframe 7000 BS EN 12608 Accreditation Annex

**System description:** The windows are double glazed only, internally or externally\* beaded, single or multipoint\* locking, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints (\* dependent on window type)

**Ventilation:** None

**Product types:** Casement windows  
Tilt/turn windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double leaf doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 14 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Sheerframe 7000 PVC-U 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
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs Unreinforced or Thermlock FP reinforcement	1038	1038	-	-	2	8A	5	2000
Projecting top hungs Reinforced	1138	1138	-	-	2	E900	5	2000
Projecting side hungs Unreinforced or Thermlock FP reinforcement	538	1138	-	-	3	8A	5	2000
Projecting side hungs Reinforced	588	1288	-	-	2	9A	5	2000
Tilt/turns Part Reinforced	1136	1136	-	-	4	E1000	5	2000
Tilt/turns Reinforced	1286	1286	-	-	3	8A	5	2000
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2000	2000	8000	-	4	8A	5	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilight Unreinforced T/M or FP8824 T/M reinforcement	1200	1200	4200	900	4	8A	5	2000
Multilight S107/A101/TL101 T/M reinforcement	2100	2100	6900	1350	3	E1000	4	1600
Multilight S101 T/M reinforcement	2100	2100	6900	1350	3	E1000	5	2000

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 15 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Sheerframe 8000 PVC-U System**

<b>Fabrication and installation:</b>	Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s): Sheerframe 8000 Manufacturing Manual
<b>System description:</b>	The windows are double glazed only, internally beaded, multipoint locking, with welded transoms/mullions.
<b>Ventilation:</b>	None
<b>Window types:</b>	Casement windows Tilt/turn windows Fully reversible (top swing) windows Fixed windows Multilight windows comprising opening light(s) and/or fixed light(s) Single and Double Leaf Doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 16 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Sheerframe 8000 PVC-U 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
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs Reinforced	1200	1200	-	-	3	E750	E2400	2400
Projecting side hungs Reinforced	750	1300	-	-	4	E1050	E2400	2400
Fully reversibles Reinforced	1140	1160	-	-	2	7A	A5	2000
Tilt/Turns Reinforced	1200	1200	-	-	3	E750	E4	2400
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2000	2000	8000	-	4	8A	5	2000
Overall dimensions for windows with approved outer frame profiles:								
Multilights, FP8821 T/M reinforcement	2500	1300	-	1300	4	E1050	4	1600
Multilights S128 T/M reinforcement	2500	1300	-	1300	3	E1050	5	2000
Multilights TL4 T/M reinforced	2400	1200	-	1200	2	7A	A5	2000

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 17 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Sheerframe Fully Reversible (Top Swing) PVC-U Window System**

<b>Fabrication and installation:</b>	Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s): Sheerframe Top Swing Reversible System Manufacturing Manual Sheerframe Top Swing Reversible System BS EN 12608 Accreditation Annex
<b>System description:</b>	The windows are double glazed only, internally beaded, multipoint locking, with welded transoms/mullions
<b>Ventilation:</b>	None
<b>Product types:</b>	Fully reversible (top swing) windows Fixed windows Multilight windows comprising opening light(s) and/or fixed light(s)

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 18 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics

### Sheerframe Fully Reversible (Top Swing) PVC-U 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
Overall dimensions for windows with approved outer frame profiles:								
Fully reversibles Reinforced	1200	1200	-	-	4	E1000	4	1600
Fixed windows Reinforced	1200	1200	4800	+	4	8A	4	1600
Overall dimensions for windows with approved outer frame profiles:								
Multilights S76/S78 T/M reinforcement	2362	2362	7124	1200	4	E1000	4	1600

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 19 of 21

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# Kitemark™ Certificate

No. KM 664049

## **BS 7412:2007 - Plastics windows made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles.**

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Synseal Extrusions Limited under Certificate Number KM 30983.

### **Warmcore Aluminium Clad PVC-U System**

**Fabrication and installation:** Fabricated and installed in accordance with the latest issue(s) of the following Synseal Extrusions Limited controlled manual(s):  
Warmcore Technical Manual

**System description:** The products are double or triple glazed, internally beaded, multipoint locking, with welded transoms/mullions, tee and/or cruciform joints.

**Ventilation:** None

**Product types:** Casement windows  
Tilt/Turn Windows  
Fixed windows  
Multilight windows comprising opening light(s) and/or fixed light(s)  
Single and Double leaf doorsets  
Bifolding Sliding Doorsets

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 20 of 21

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# Kitemark™ Certificate

No. KM 664049

## Size Limitations and Performance Characteristics Warmcore Aluminium Clad PVC-U 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
Sash dimensions for windows with approved outer frame profiles:								
Projecting top hungs Part Reinforced	1150	1150	-	-	4	7A	AE2400	2000+
Projecting Side Hungs Reinforced	650	1450	-	-	4	7A	AE2000	2000
Tilt/Turns	1385	1485	-	-	4	9A	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:								
Fixed Lights	1450	1450	5800	-	4	7A	AE2400	2000+
Multilights Unreinforced	1500	1500	-	1450	4	7A	AE2000	2000

First Issued: 17/03/2017

Latest Issue: 17/03/2017

Page: 21 of 21

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