

# Kitemark™ Certificate

This is to certify that:

FrameXpress Limited  
Unit A1 - A5  
Haybrook Industrial Estate  
Halesfield 9  
Telford  
TF7 4QW  
United Kingdom

Holds Certificate Number:

KM 505191

In respect of:

**BS 7412**  
**Plastics windows made from PVC-U extruded hollow profiles**

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:

Shahm Barhom, Group Product Certification Director

First Issued: 2006-06-12

Latest Issue: 2022-09-14

Effective Date: 2022-09-14

Expiry Date: 2024-08-07



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# Kitemark™ Certificate

No. KM 505191

**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 Profile 22 Systems under Certificate Number KM 12895.

**System(s):** Profile 22 PVC-U Window System

**Fabrication and Installation:** Fabricated and installed in accordance with the latest issue(s) of the following Profile 22 Systems controlled manual(s):

Profile 22 Technical Manual  
Profile 22 Fully Reversible Window Technical Manual - PN Hinge  
Profile 22 Fully Reversible Window Technical Manual - Yale/Grorud Hinge  
Kitemark Spec. Drawing Number TS0691

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

**Ventilation:** None

**Window Types:** Casement windows  
Tilt/turn windows  
Top Swing Fully Reversible windows  
Fixed windows  
Multilight windows consisting of opening light(s) and/or fixed light(s)

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# Kitemark™ Certificate

No. KM 505191

## Size Limitations and Performance Characteristics Profile 22 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 approved sash profiles:								
Projecting top hungs, unreinforced	800	800	-	-	2	7A	A5	2000
Projecting top hungs, reinforced	1235	1235	-	-	2	7A	A5	2000
Projecting side hungs, unreinforced	740	800	-	-	2	7A	CE2400	2400
Projecting side hungs, reinforced	735	1335	-	-	2	7A	CE2400	2400
Tilt/Turns unreinforced	800	800	-	-	2	7A	CE2400	2400
Tilt/Turns reinforced	917	1515	-	-	2	7A	CE2400	2400
Top Swing Fully reversible's	1235	1350	-	-	4	6A	A5	2000
Overall dimensions for approved outer frame profiles								
Fixeds Unreinforced	1900	1900	6000	-	2	7A	AE2400	2400
Overall dimensions for approved transom/mullion profiles (welded joint):								
Multilights, 2243 T/M reinforcement	1800	1800	6000	1200	2	7A	A4	1600
Multilights, 2243 T/M reinforcement	1350	1350	5300	1350	2	7A	AE2400	2400
Multilights, 2243 T/M reinforcement	1650	1650	5900	1650	2	7A	A4	1600
Multilights, 2243 T/M reinforcement	1750	1750	6100	1750	2	7A	A4	1600
Multilights, 2249 T/M reinforcement	1450	1450	5500	1450	2	7A	AE2400	2400
Multilights, 2249 T/M reinforcement	1700	1700	6000	1700	2	7A	A4	1600
Multilights, 2249 T/M reinforcement	1900	1900	6000	1900	2	7A	A4	1600

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No. KM 505191

## Size Limitations and Performance Characteristics (continued) Profile 22 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 approved transom/mullion profiles (welded joint):								
Multilights, 7882 T/M reinforcement	1300	1300	5200	1250	2	7A	AE2400	2400
Multilights, 7882 T/M reinforcement	1350	1350	5300	1350	2	7A	AE2400	2400
Multilights, 7882 T/M reinforcement	1550	1550	5700	1500	2	7A	A4	1600
Multilights, 7883 T/M reinforcement	1300	1300	4800	1100	2	7A	AE2400	2400
Multilights, 7883 T/M reinforcement	1300	1300	5000	1200	2	7A	A4	1600
Multilights, 7883 T/M reinforcement	1450	1450	5600	1450	2	7A	A3	1200
Multilights BR116S T/M Reinforcement	2200	1450	7300	1450	4	6A	A5	2000
Overall dimensions for approved transom/mullion profiles (RCM reinforcement)								
Multilights, 2499 T/M reinforcement	1050	1050	4200	1050	2	7A	AE2400	2400
Multilights, 2499 T/M reinforcement	1250	1250	5000	1250	2	7A	A4	1600
Multilights, 2499 T/M reinforcement	1400	1400	5600	1400	2	7A	A3	1200
Multilights, 2583 T/M reinforcement	1000	1000	4000	1000	2	7A	AE2400	2400
Multilights, 2583 T/M reinforcement	1150	1150	4600	1150	2	7A	A4	1600
Multilights, 2583 T/M reinforcement	1350	1350	5400	1350	2	7A	A3	1200

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## Size Limitations and Performance Characteristics (continued) Profile 22 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 approved transom/mullion profiles (welded joint):								
Multilights, QR17S T/M reinforcement	1700	1700	6000	1700	2	7A	A4	1600
Multilights, QR10S T/M reinforcement	2200	2200	7200	1400	4	9A	C3	1200
Multilights, QR17S T/M reinforcement	1900	1900	6000	1900	2	7A	A4	1600
Multilights, QR11S T/M reinforcement	2200	2200	7200	1350	4	9A	B5	2000
Multilights, QR11S T/M reinforcement	2200	2200	7200	1450	4	7A	C3	1200
Multilights, BR116S T/M Reinforcement	2200	1450	7300	1450	4	6A	A5	2000
Overall dimensions for approved transom/mullion profiles (RCM reinforcement)								
Multilights, QX16 T/M reinforcement	1050	1050	4200	1050	2	7A	AE2400	2400
Multilights, QX16 T/M reinforcement	1250	1250	5000	1250	2	7A	A4	1600
Multilights, QX16 T/M reinforcement	1400	1400	5600	1400	2	7A	A3	1200
Multilights, QX10 T/M reinforcement	1000	1000	4000	1000	2	7A	AE2400	2400
Multilights, QX10 T/M reinforcement	1150	1150	4600	1150	2	7A	A4	1600
Multilights, QX10 T/M reinforcement	1350	1350	5400	1350	2	7A	A3	1200

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**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 Profile 22 Systems under Certificate Number KM 12895.

**System(s):** Flush Casement, Flush Tilt/Turn and Fully Reversible PVC-U Window System

**Fabrication and Installation:** Fabricated and installed in accordance with the latest issue(s) of the following Profile 22 controlled manual(s):

Flush Tilt/Turn Manual (Part No TM-0022-P),  
General Manual (Part No TM-0016),  
Flush Casement Manual (Part No TM-0018 and  
Fully Reversible Manual (Part No 994736)

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

**Ventilation:** None

**Window Types:**  
Flush Casement  
Flush Tilt/Turn  
Fully Reversibles

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## Size Limitations and Performance Characteristics

### Flush Casements, Flush Tilt/Turns and Fully Reversible 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 approved sash profiles:								
Flush side hungs	710	1310	-	-	3	9A	CE2400	2400
Flush top hungs <sup>1</sup>	1210	1210	-	-	3	5A	A5	2000
Flush top hung	1210	910	-	-	2	9A	C5	2000
Sash dimensions for approved tilt/turn sash profiles								
Flush Tilt/Turns	1424	1538	-	-	4	8A	AE2400	2400
Sash dimensions for approved fully reversible profiles								
Top Swing fully reversible's BR130S reinforcement	1235	1350	-	-	4	6A	A5	2000
Fully Reversible Revolution hinge	1235	1356	-	-	4	E1500	E2400	2400
Fully Reversible BR130 Alum Sash BR116 Mullion	1235	1356	-	-	2	8A	B5	2000

<sup>1</sup> Round Corner locking hardware

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