

# Kitemark™ Certificate

This is to certify that:

Scotia Double Glazing Limited  
Unit 2  
Moorfield Park  
Kilmarnock  
KA2 0FJ  
United Kingdom

Holds Certificate Number:

KM 25328

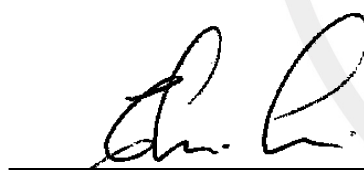
In respect of:

**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:



Chris Lewis - Certification Director, Product Certification

First Issued: 1993-08-12

Latest Issue: 2020-11-25

Effective Date: 2020-11-25

Expiry Date: 2023-11-07

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# Kitemark™ Certificate

No. KM 25328

**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 Veka plc under Certificate number KM 12875.

|                                      |                                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System(s):</b>                    | <b>Halo 70mm System 10 PVC-U Window System</b>                                                                                                                                              |
| <b>Fabrication and Installation:</b> | Fabricated and installed in accordance with the latest issue(s) of the following Veka plc controlled manual(s):<br>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 and/or cruciform joints<br>(* dependent on window type)             |
| <b>Ventilation:</b>                  | None                                                                                                                                                                                        |
| <b>Window Types:</b>                 | Casement windows (incl Smart Sash, Flush Sash and Storm 2*)<br>Tilt/turn windows (incl Smart Sash)<br>Fixed windows<br>Multilight windows comprising opening light(s) and/or fixed light(s) |

\* Storm 2 = Limited Availability

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# Kitemark™ Certificate

No. KM 25328

## Size Limitations and Performance Characteristics Halo 70mm System 10 PVC-U Window System

| Window Type                                                        | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to Wind<br>classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|--------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Sash dimensions for windows with approved sash profiles:           |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Internally Glazed                                                  |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Projecting top hungs<br>Unreinforced*                              | 982                      | 982                      | -                           | -                                                     | 4                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting top hungs<br>Smart Sash                                 | 1246                     | 1446                     | -                           | -                                                     | 4                                  | E1050                            | E2400                                | 2400                                                          |
| Projecting top hungs<br>Part reinforced*                           | 1178                     | 1178                     | -                           | -                                                     | 4                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting side hungs<br>Unreinforced*                             | 628                      | 982                      | -                           | -                                                     | 3                                  | 7A                               | 4                                    | 1600                                                          |
| Projecting side hungs<br>Part reinforced*                          | 628                      | 1278                     | -                           | -                                                     | 3                                  | 7a                               | 4                                    | 1600                                                          |
| Projecting side hungs<br>Smart Sash                                | 846                      | 1746                     | -                           | -                                                     | 4                                  | E1050                            | E2400                                | 2400                                                          |
| Projecting side hungs<br>Flush Sash                                | 620                      | 1350                     | -                           | -                                                     | 4                                  | 9A                               | 4                                    | 1600                                                          |
| Externally Glazed                                                  |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Projecting top hungs<br>Unreinforced                               | 982                      | 982                      | -                           | -                                                     | 2                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting top hungs<br>Part reinforced                            | 1178                     | 1178                     | -                           | -                                                     | 2                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting side hungs<br>Unreinforced                              | 628                      | 982                      | -                           | -                                                     | 3                                  | E900                             | 4                                    | 1600                                                          |
| Projecting side hungs<br>Part reinforced                           | 628                      | 1278                     | -                           | -                                                     | 3                                  | E900                             | 4                                    | 1600                                                          |
| Tilt/turns Reinforced                                              | 1414                     | 1414                     | -                           | -                                                     | 4                                  | E1050                            | A4                                   | 1600                                                          |
| Tilt/turns Smart Sash                                              | 1414                     | 1414                     | -                           | -                                                     | 4                                  | E1050                            | A4                                   | 1600                                                          |
| Overall dimensions for windows with approved outer frame profiles: |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Fixed Part reinforced*                                             | 3000                     | 3000                     | 12000                       | -                                                     | 4                                  | E750                             | 4                                    | 1600                                                          |
| Twin Sash                                                          | 1250                     | 1250                     | 5000                        | -                                                     | 4                                  | 9A                               | E2400                                | 2400                                                          |

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A member of BSI Group of Companies.

# Kitemark™ Certificate

No. KM 25328

## Halo 70mm System 10 PVC-U Window System Size Limitations and Performance Characteristics

| Window Type                                                                          | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to Wind<br>classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Overall dimensions for windows with approved outer frame & transom/mullion profiles: |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Multilights,<br>Unreinforced T/M                                                     | 1800                     | 1800                     | 5600                        | 1000                                                  | 3                                  | E750                             | 4                                    | 1600                                                          |
| Multilights, S00155<br>T/M reinforcement                                             | 1800                     | 1800                     | 6300                        | 1350                                                  | 3                                  | E1050                            | 4                                    | 1600                                                          |
| Multilights, S00158<br>T/M reinforcement                                             | 2000                     | 2000                     | 6700                        | 1350                                                  | 4                                  | 7A                               | 4                                    | 1600                                                          |
| Flush Sash Multilights<br>Reinforced                                                 | 1360                     | 1350                     | 5420                        | 1270                                                  | 4                                  | 9A                               | 4                                    | 1600                                                          |

\* Inc. Storm 2 Casement Range = Limited Availability

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# Kitemark™ Certificate

No. KM 25328

**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 Veka plc under Certificate number KM 12875.

|                                      |                                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System(s):</b>                    | <b>Halo 70mm Rustique PVC-U Window System</b>                                                                                                                                               |
| <b>Fabrication and Installation:</b> | Fabricated and installed in accordance with the latest issue(s) of the following Veka plc controlled manual(s):<br>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 and/or cruciform joints<br>(* dependent on window type)             |
| <b>Ventilation:</b>                  | None                                                                                                                                                                                        |
| <b>Window Types:</b>                 | Casement windows (incl Smart Sash, Flush Sash and Storm 2*)<br>Tilt/turn windows (incl Smart Sash)<br>Fixed windows<br>Multilight windows comprising opening light(s) and/or fixed light(s) |

\*Storm 2 Casement Range – Limited Availability.

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# Kitemark™ Certificate

No. KM 25328

## Halo 70mm Rustique PVC-U Window System Size Limitations and Performance Characteristics

| Window Type                                                        | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to Wind<br>classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|--------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Sash dimensions for windows with approved sash profiles:           |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Internally Glazed                                                  |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Projecting top hungs<br>Unreinforced*                              | 982                      | 982                      | -                           | -                                                     | 4                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting top hungs<br>Part reinforced*                           | 1178                     | 1178                     | -                           | -                                                     | 4                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting top hungs<br>Smart Sash                                 | 1246                     | 1446                     | -                           | -                                                     | 4                                  | E1050                            | E2400                                | 2400                                                          |
| Projecting side hungs<br>Unreinforced*                             | 628                      | 982                      | -                           | -                                                     | 3                                  | 7A                               | 4                                    | 1600                                                          |
| Projecting side hungs<br>Part reinforced*                          | 628                      | 1278                     | -                           | -                                                     | 3                                  | 7a                               | 4                                    | 1600                                                          |
| Projecting side hungs<br>Smart Sash                                | 846                      | 1746                     | -                           | -                                                     | 4                                  | E1050                            | E2400                                | 2400                                                          |
| Projecting side hungs<br>Flush Sash                                | 620                      | 1270                     | -                           | -                                                     | 4                                  | 9A                               | 4                                    | 1600                                                          |
| Externally Glazed                                                  |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Projecting top hungs<br>Unreinforced                               | 982                      | 982                      | -                           | -                                                     | 2                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting top hungs<br>Part reinforced                            | 1178                     | 1178                     | -                           | -                                                     | 2                                  | E1050                            | 4                                    | 1600                                                          |
| Projecting side hungs<br>Unreinforced                              | 628                      | 982                      | -                           | -                                                     | 3                                  | E900                             | 4                                    | 1600                                                          |
| Projecting side hungs<br>Part reinforced                           | 628                      | 1278                     | -                           | -                                                     | 3                                  | E900                             | 4                                    | 1600                                                          |
| Tilt/turns Reinforced                                              | 1414                     | 1414                     | -                           | -                                                     | 4                                  | E1050                            | A4                                   | 1600                                                          |
| Tilt/turns Smart Sash                                              | 1414                     | 1414                     | -                           | -                                                     | 4                                  | E1050                            | A4                                   | 1600                                                          |
| Overall dimensions for windows with approved outer frame profiles: |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Fixed Part reinforced*                                             | 3000                     | 3000                     | 12000                       | -                                                     | 4                                  | E750                             | 4                                    | 1600                                                          |
| Twin Sash                                                          | 1250                     | 1250                     | 5000                        | -                                                     | 4                                  | 9A                               | E2400                                | 2400                                                          |

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# Kitemark™ Certificate

No. KM 25328

## Halo 70mm Rustique PVC-U Window System Size Limitations and Performance Characteristics (continued)

| Window Type                                                                          | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to Wind<br>classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Overall dimensions for windows with approved outer frame & transom/mullion profiles: |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Multilights,<br>Unreinforced T/M                                                     | 1800                     | 1800                     | 5600                        | 1000                                                  | 3                                  | E750                             | 4                                    | 1600                                                          |
| Multilights, S00155<br>T/M reinforcement                                             | 1800                     | 1800                     | 6300                        | 1350                                                  | 3                                  | E1050                            | 4                                    | 1600                                                          |
| Multilights, S00158<br>T/M reinforcement                                             | 2000                     | 2000                     | 6700                        | 1350                                                  | 4                                  | 7A                               | 4                                    | 1600                                                          |

\*Storm 2 Casement Range = Limited Availability

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# Kitemark™ Certificate

No. KM 25328

## 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 Veka plc under Certificate number KM 12875.

**System(s):** Halo Fully Reversible PVC-U Window System

**Fabrication and Installation:** Fabricated and installed in accordance with the latest issue(s) of the following Veka plc controlled manual(s):  
Halo Fully Reversible System Technical Manual

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

**Ventilation:** None

**Window Types:** Fully reversible (top swing) windows

### Size Limitations and Performance Characteristics

| Window Type                                                       | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to Wind<br>classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|-------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Overall dimensions for windows with approved outer frame profiles |                          |                          |                             |                                                       |                                    |                                  |                                      |                                                               |
| Top Swing Fully Reversibles                                       | 1300                     | 1300                     | -                           | -                                                     | 3                                  | E1050                            | 2400                                 | 2400                                                          |
| Smart Swing Sash                                                  | 1300                     | 1300                     | -                           | -                                                     | 3                                  | E1050                            | 2400                                 | 2400                                                          |

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# Kitemark™ Certificate

No. KM 25328

**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 Eurocell Profiles Limited under Certificate number KM 32821.

|                               |                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System(s):                    | Logik 70mm Window and Door System                                                                                                                           |
| Fabrication and Installation: | Fabricated and installed in accordance with the latest issue(s) of the following controlled manual(s):<br>Logik 70mm Window and Door System, Product Manual |
| Fabrication Options:          | Welded, coupled (EWS510A EWS528A) or mechanically fixed transoms/mullions, tee and/or cruciform joints                                                      |
| Hardware Options:             | Multipoint locking only                                                                                                                                     |
| Glazing Options               | Double or triple glazed only<br>Internally or externally beaded casement<br>Internally beaded tilt/ turn only                                               |
| Ventilation:                  | None                                                                                                                                                        |
| Window Types:                 | Projecting windows<br>Tilt/turn windows<br>Fixed windows<br>Multilight windows consisting of opening light(s) with or without fixed light(s)                |

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## Logik 70mm Window and Door System

| Profile Type                            | Reference       | Reinforcement Reference         |
|-----------------------------------------|-----------------|---------------------------------|
| 6 Chamber Main Frame <sup>1</sup>       | EWS 7020        |                                 |
| 6 Chamber Ovolo Main Frame <sup>1</sup> | EWS 7720        |                                 |
| Outer Frame                             | EWS 7021        | EWS 601S or EWS 7521A           |
| Ovolo Outer Frame                       | EWS 7721        | EWS 601S or EWS 7521A           |
| Large Outer Frame                       | EWS 7006        | EWS 616S, EWS 506A or EWS 531A  |
| Ovolo Large Outer Frame                 | EWS 7706        | EWS 616S, EWS 506A or EWS 531A  |
| T Trasom/Mullion                        | EWS 7002        | EWS 601S, EWS 502A or EWS 7502A |
| Ovolo T Transom/Mullion                 | EWS 7702        | EWS 601S, EWS 502A or EWS 7502A |
| Z Transom/Mullion                       | EWS 7003        | EWS 601S or EWS 501A            |
| Ovolo Z Transom/Mullion                 | EWS 7703        | EWS 601S or EWS 501A            |
| Intermediate T Transom/Mullion          | EWS 7022        | EWS 622S or EWS 522A            |
| Ovolo Intermediate T Transom/Mullion    | EWS 7722        | EWS 622S or EWS 522A            |
| Intermediate Z Transom/Mullion          | EWS 7023        | EWS 622S or EWS 522A            |
| Ovolo Intermediate Z Transom/Mullion    | EWS 7723        | EWS 622S or EWS 522A            |
| Z Casement Sash                         | EWS 7004        | EWS 7604S or EWS 7504A          |
| 6 Chamber T Sash <sup>1</sup>           | EWS7008         |                                 |
| T Casement Sash                         | EWS 7005        | EWS 7604S or EWS 7504A          |
| 6 Chamber T Sash <sup>1</sup>           | EWS 7708        |                                 |
| Z Tilt/turn Sash                        | EWS 7007        | EWS 7607S or EWS 507A           |
| Ovolo Tilt/turn Sash                    | EWS 7707        | EWS 7607S or EWS 507A           |
| Z Door Sash                             | EWS 7018        | EWS 618S or EWS 518A            |
| Ovolo Z Door Sash                       | EWS 7718        | EWS 618S or EWS 518A            |
| T Door Sash                             | EWS 7019        | EWS 618S or EWS 518A            |
| Ovolo T Door Sash                       | EWS 7719        | EWS 618S or EWS 518A            |
| T Door Midrail                          | EWS 7009        | EWS 7509A                       |
| Ovolo T Door Midrail                    | EWS 7709        | EWS 7509A                       |
| Security Glazing Tape                   | Alfas P235/BDST |                                 |
| Security Glazing Clips                  | GT Windows      |                                 |
| Co-Extruded Bead                        | EWS 7301        |                                 |
| Co-Extruded Ovolo Bead                  | EWS 7312        |                                 |
| ENW Main Frame                          | ENW 7021        |                                 |
| ENW Sash T                              | ENW 7005        |                                 |

| Gaskets and Weatherstrips     | Reference |
|-------------------------------|-----------|
| All Co-Extruded with profiles | EWS 432   |

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No. KM 25328

## Size Limitations and Performance Characteristics Logik 70mm Window and Door System

| Window Type                                            | Length (mm)<br>- Maximum | Height (mm)<br>- Maximum | Perimeter (mm)<br>- Maximum | Transom/Mullion<br>Length (mm) inc<br>Frame - Maximum | Air Permeability<br>classification | Watertightness<br>classification | Resistance to<br>Wind classification | Exposure category<br>as given in Table 1<br>of BS 6375-1:2009 |
|--------------------------------------------------------|--------------------------|--------------------------|-----------------------------|-------------------------------------------------------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------|
| Projecting top hungs<br>Unreinforced                   | 1000                     | 1000                     | -                           | -                                                     | 4                                  | 9A                               | 4                                    | 1600                                                          |
| Projecting top hungs<br>Fully reinforced               | 1200                     | 1350                     | -                           | -                                                     | 4                                  | 9A                               | 4A                                   | 1600                                                          |
| Projecting top hungs <sup>1</sup><br>Thermal Enhancer  | 1220                     | 1354                     | -                           | -                                                     | 2                                  | 9A                               | 4A                                   | 1600                                                          |
| Projecting side hungs<br>Unreinforced                  | 750                      | 1000                     | -                           | -                                                     | 4                                  | 9A                               | 4A                                   | 1600                                                          |
| Projecting side hungs<br>Fully reinforced              | 750                      | 1500                     | -                           | -                                                     | 4                                  | 9A                               | 4A                                   | 1600                                                          |
| Projecting side hungs <sup>1</sup><br>Thermal Enhancer | 750                      | 1350                     | -                           | -                                                     | 4                                  | 9A                               | 5A                                   | 2000                                                          |
| Tilt/turns                                             | 1500                     | 1500                     | 6600                        | 1500                                                  | 3                                  | 7A                               | 3                                    | 1200                                                          |
| Fixeds                                                 | 2000                     | 1500                     | 7000                        | -                                                     | 4                                  | E1050                            | 4                                    | 1600                                                          |
| Multilights<br>Unreinforced*                           | 1500                     | 1500                     | 5000                        | 1000                                                  | -                                  | -                                | -                                    | 2400 Special                                                  |
| Multilights EWS7621S<br>reinforced                     | 2400                     | 1000                     | 6800                        | 1000                                                  | 4                                  | E1050                            | E2400                                | 2400                                                          |
| Multilights EWS7621S<br>reinforced                     | 2400                     | 1600                     | 8000                        | 1600                                                  | 4                                  | 8A                               | 2                                    | 800                                                           |
| Multilights EWS501A<br>reinforced                      | 2400                     | 1200                     | 6000                        | 1200                                                  | 3                                  | E1050                            | 5                                    | 2000                                                          |
| Multilights EWS501A<br>reinforced                      | 2400                     | 1600                     | 8000                        | 1600                                                  | 4                                  | 9A                               | 3                                    | 1200                                                          |
| Multilights EWS800P<br>Thermal Enhancer                | 1500                     | 1500                     | 6000                        | 1350                                                  | 4                                  | 9A                               | 3A                                   | 1200                                                          |

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