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A BRAND OF THE VEKA UK GROUP

# System10

Fully integrated PVC-U system - features and benefits

# System10 integrated profile

System10 is a fully versatile and totally integrated 70mm & 62mm system with kerb appeal that features a chamfered edge with clean and slim sightlines. It has the added advantage of full compatibility with our Rustique 'ovolo' shape system, so you can mix and match between the two.

With a choice of suited single leg beading options to match, which are quick, secure and easy to install on site, and a whole host of other innovative features designed to save you on fabrication and fitting time – System10 is designed to perform.

System10 offers a comprehensive range of window and door styles for the trade, retail, commercial or the new build fabricator, and installer to offer consumers and clients.

## Product features

### 70mm profile

Profile measures 70mm / 62mm front to back, to ensure a direct replacement with timber windows with minimal trimming or finishing.

### Fully interchangeable

The suite is integrated with the Rustique 70mm and 62mm 'ovolo' systems. This means that the same beads, ancillaries, reinforcements, mouldings and hardware are used, which will help keep your stock holding to a minimum.

### Fully integrated and fully versatile

The versatility of an all in one system is that it offers greater opportunities to new markets without increased costs of production switchovers or increased stock holding. It allows for an extensive range of window and door styles to be fabricated and offered to your clients/ customers.

### Choice of bead and glazing options

Designed to accept 24mm, 28mm, 32mm, 36mm\* & 40mm\* sealed units. The profiles can be fitted with a choice of beads with chamfered or ovolo shape designs.

\* Chamfered beads only.

### Thermal efficiency

The windows are designed to achieve a WER A rating with a double glazed unit and a standard outer frame. The use of our patented thermal inserts can further improve the WER performance. The system will also achieve U-values as low as 0.8 (equivalent to Code for Sustainable Homes level 6) using the patented thermal insert.

### Product applications

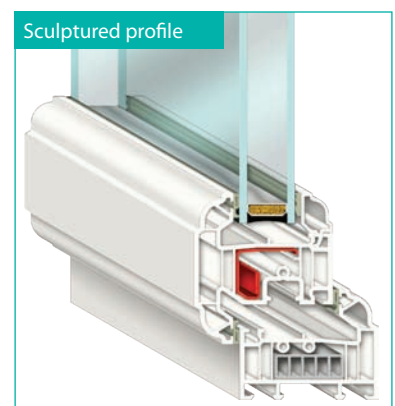
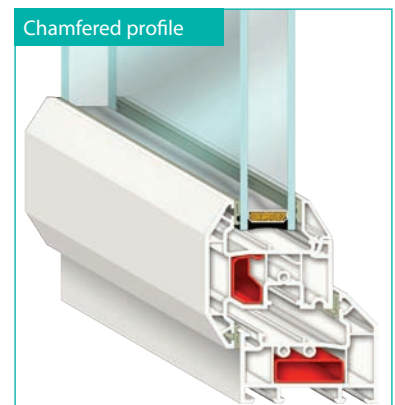
The System10 range allows for the manufacture of casement windows, top swing windows, french and tilt and turn windows, pivot windows, vertical sliding sash windows, residential doors, composite doors, inline patio doors and bi-fold doors. System10 also offers a range of slim sashes for increased glazing and less frame

### Material specification

All System10 profiles are manufactured from acrylic high impact modified, Polyvinyl Chloride unplasticised compound (PVC-U).

### Product Performance and Accreditation

System10 products have been independently assessed and have achieved accreditation from the British Standards Institute and have achieved BS6375 for weather performance and PAS024:2012 for security.



# System 10 features

## 1 Chambers

Fully enclosed chambers (four for the sash and three for the frame) with increased wall thicknesses offer additional product strength, rigidity and performance in addition to improved thermal efficiency.

## 2 Reinforcement chamber

The additional chamber enables galvanised steel reinforcement to be used for greater strength and rigidity. (image shows thermal outerframe sleeve)

Our unique design for the reinforcement ensures optimum strength and rigidity without compromising thermal efficiency.

## 3 Single leg bead for quick and easy glazing

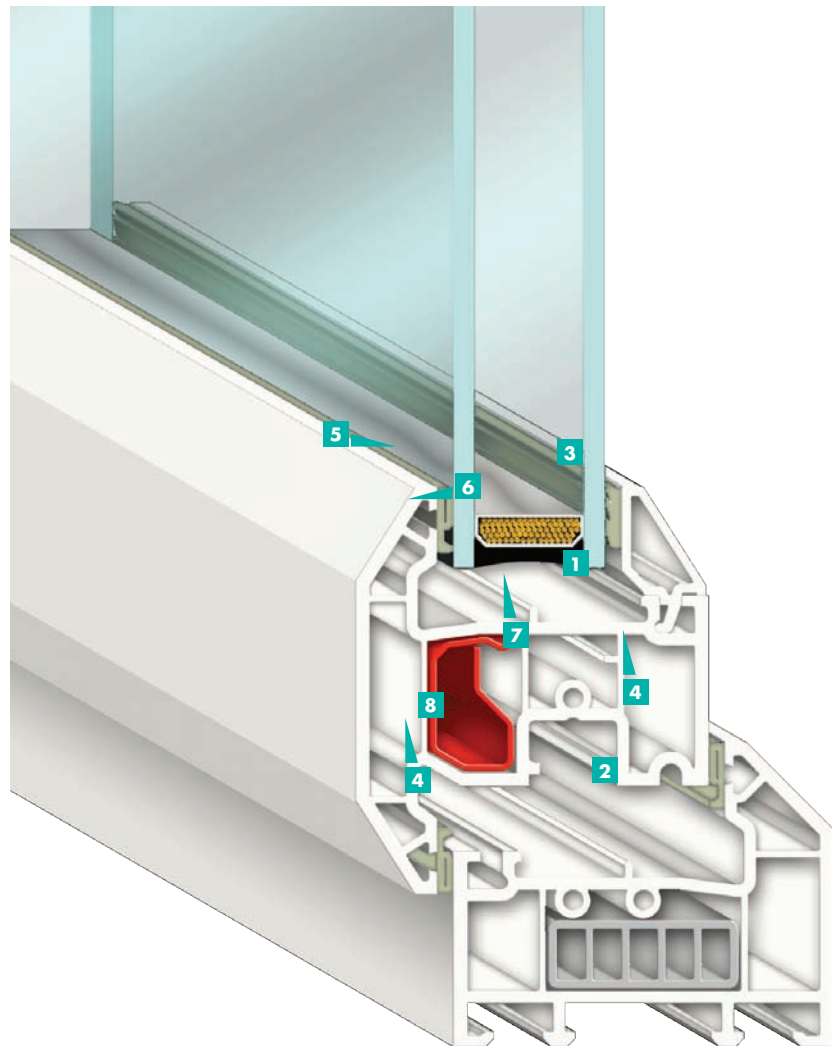
Our single leg beading has a simple 'knock-in' design that is fitter friendly and will make glazing on site quick, easy and more positive. The single leg bead has been tested to BS7950 Security enhancement standards.

## 4 PCE gasket

Our PCE low level gasket allows quicker fabrication and installation. The heat bonded gasket means that there is no shrinkage or any risk of the incorrect gasket being fitted. It gives a consistency in quality and finish, overcomes any stretching problems and maximises compression. The special design for the gasket channel reduces the risk of hard lumps in corners and allows for the replacement of gaskets in case of damage. It features a new weather seal flipper and a glazing pad for an improved seal.

## 5 Low level gasket

Our PCE gaskets are low level, which means they are designed to fit in with the profile so that the maximum glass area is made visible with no unsightly gasket lines.



## 6 Drainage

A wider drainage channel allows for quick drainage of any water and reduced risk of residue build up for an improved performance.

## 7 Top hat fixings and screw ports

Hardware and striker keeps are screwed into top hat fixing points and screw ports for an improved technical and enhanced security performance. The system has been tested to PAS024 security standard.

## 8 10mm overlap

A 10mm overlap as standard gives an increased weather performance.

***Our systems have a simple 'clip on' feature for the easy fitting of frame extensions, sills and ancillaries without the need for screw fixings. Most leading brands of hardware are compatible with our systems.***

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## Installation

Products should be surveyed and installed in accordance with current British Plastics Federation/Glass & Glazing Federation Codes of Practice, relating to the survey and installation of high impact modified PVC-U windows. Consideration must be given to the safety requirement of BS6262: 1982 when specifying the type of glass to be used.

In line with the requirements of all Building Regulations, Eclipse products are designed for energy efficiency and comply with Part L when fitted by FENSA registered installers or approved by Building Control.

The wide variety of ancillary profiles available to the Installer provides almost limitless scope for product design and installation. Carefully engineered, the ancillary profiles suite with the main profiles and greatly enhance both structure and appearance of installations.

## Environmental Concerns

Halo fully accepts its environmental responsibilities and takes a lead in addressing environmental issues within the PVC-U window industry. Halo was one of the first companies to achieve ISO 14001 Environmental Management System and has pioneered a unique partnership to recycle post consumer windows of all material types.

## Accreditation



ISO 9001 FM01414  
ISO 14001 EMS59308



BS EN 12608  
KM12875



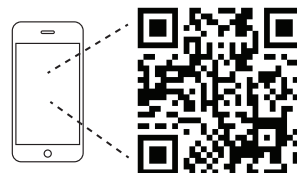
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PAS 23 / PAS 24  
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