

# PAS 24 GUIDANCE

## Introduction

Product Assessment Specification (or PAS) 24 is the security standard which covers the performance of enhanced security windows and doorsets. It is a standard of testing to measure their security performance to ensure they can resist a certain level of attack from an opportunist burglar (British Standards publication PAS 24:2022).

## PAS 24 Enhanced Security

Passing PAS 24 testing and complying with enhanced security is one requirement of the Building Regulations of England, Scotland and Wales (Part Q) – it is imperative to consult the Government guidance to Building Regulations (top right of this page) for more information on further requirements.

Secure windows and doorsets should be manufactured to a design that has been evidenced through testing to meet PAS 24 requirements and can be achieved by:

- Testing own products at an approved UKAS test laboratory
- Utilise test results from a 3<sup>rd</sup> party.
- Purchase completed products from a supplier who has already had them tested (e.g. Customer buys PAS24 product from us)

Complying with PAS 24 enhanced security does not guarantee that the product is impenetrable and does not cover methods in which the windows or doorsets are installed or fitted to the building.

**Please Note: Failure to follow the guidance in this documentation could result in windows/doorsets not being PAS24 compliant in which case we will not be held responsible.**



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### Key Points

- PAS 24 is the security standard which covers the performance of enhanced security windows and doorsets
- Our windows are PAS 24 tested
- Failure to follow guidance could result in products not being PAS 24 compliant
- GT Snap-Loks will assist with windows and doorsets complying with PAS 24



## PAS 24 Testing

PAS 24 testing evaluates the overall window or doorset to ensure the completed product offers enhanced security. PAS24:2022 is the current standard in the industry.

The idea is to ensure dwellings and commercial buildings are protected against the threat of opportunistic criminals and that products are designed to endure specific break-in methods of casual thieves and burglars in the UK.

Our windows have been tested and certified to BS 7412 by UL Solutions and continued compliance includes on-going assessment via factory audits and testing.

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*“Our windows have been tested and certified to BS 7412 by UL Solutions”*

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### *Disclaimer*

*Reasonable care has been taken whilst preparing this guidance document, in relation to compliance with Approved Document Q & PAS 24. Burbage Custom Windows Ltd does not accept any liability, directly or indirectly for incorrect use, non-compliance or lost by using the information contained in this document in whole or in part.*

*It is the user's responsibility to familiarize themselves with the requirements of ADQ & PAS 24. Some of the associated information within this document may be subject to change. Burbage Custom Windows reserves the right to amend the document without prior notice and the guidance document is provided on the understanding that the user accepts all risks associated with utilising the information within.*

## A Glimpse into PAS 24 Testing....

PAS 24 testing includes (but is not limited to) the following:

- **Hardware Manipulation**

Assessor attempts to open the window or doorset by operating, releasing & disengaging the locks and hinges.

- **Impact Testing**

Soft (eg kicking) and hard (eg using a sledgehammer) body impact tests are conducted to see if the product could withstand an attack from various methods.

- **Mechanical Loading Test**

The assessor applies a sequence of loading tests to simulate the pressures that would be applied to a product if an intruder used nail bars.

- **Hardware, Letterplate & Cylinder Testing**

The hardware, letterplate and cylinder are tested for their resistance to a manual attack – includes attempting to remove, break, twist and bend parts of the product to gain entry.



## Laminated Glass Requirements

### Windows

All our windows have key locking handles as standard, which means laminated glass is not a requirement.

**Except where easily accessible windows are adjacent to a door.**



### Doorsets

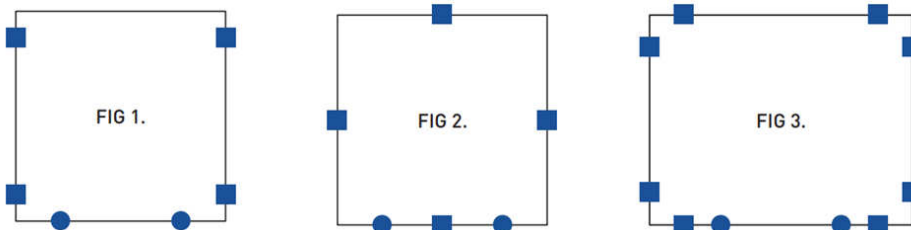
Laminated glass **must** be fitted to all doors, door side panels and windows adjacent to a door.

**Please Note:** The minimum specification for meeting PAS 24 laminated glass requirements is 6.8mm Laminate glass (which we supply).

## Glass Locks—Installation Advice

We recommend the following glass locks (GT Snap-Lok – as supplied) are fitted on all our PAS24 windows:

-  Additional Glazing Packers
-  Snap-Lok Positions (SK001 for Double Glazing & SK003 for Triple Glazing)



We recommend fitting a minimum of 4 Snap-Loks for glass units up to 900mm wide and 1200 high (Fig. 1 & 2)

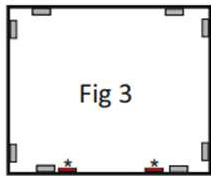
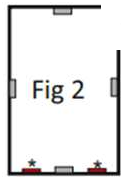
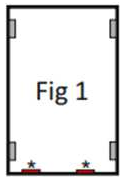
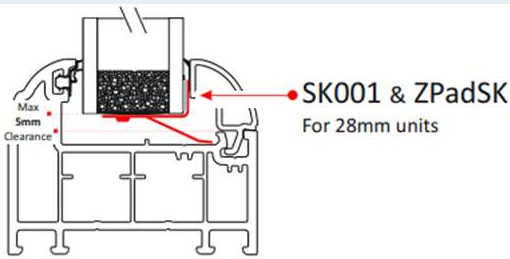
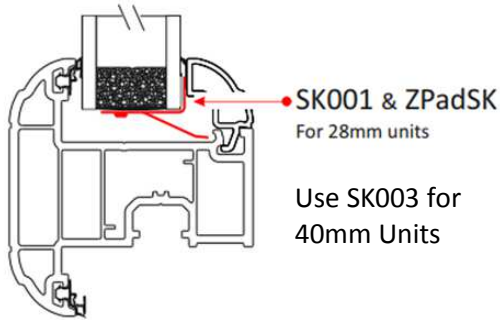
For larger units, we recommend fitting additional clips (Fig. 3)

The above installation advice must be followed to comply with our PAS24 specification as per our testing schedule.

**Please Note:** Failure to do so will result in the product not being certified to PAS24 standards.

# GT Snap-Lok

Patent Applied



Use SK003 for 40mm Units



All drawings are not to scale  
Reinforcement and fixings have been omitted for clarity

**Please Note:** Failure to follow this advice will result in the product not being certified to PAS24 standards.

The GT Snap-Lok is a clip system for retaining glass units on internally glazed windows and doors.

This innovative designed clip, when fitted in the appropriate numbers and positions, will assist windows and doors to meet the requirements for PAS24.

For a 28mm unit up to 900mm width and 1200 height fit a minimum of 4 GT Snap Loks as shown in Fig.1 and Fig.2

For unit sizes larger that this then it is advisable to fit additional clips as shown in Fig.3

Fit glazing packers on the bottom rail shown marked \*, and place the glass unit into the frame.

Attach a ZPadSK to each clip and remove the blue cover paper. This will now allow the clip to stick to the unit when in position.

Push all GT Snap Lok clips into place prior to packing the unit.

