

Secured By Design & Approved Document Q Product Bulletin

This product bulletin is to notify you about a few legislative changes and how this might affect yourself regarding:

- 1. Secured By Design windows and doors**
- 2. Approved Document Q**
- 3. Laminated glass requirements**

1. Secured By Design

As a result of recent testing we are making a number of changes to our Secured By Design specifications (a full product specification guide is provided overleaf). Secured By Design requires a PAS 24 licence through a recognised certification body. However, as an overview the notable changes are as follows:

- ◀ Doors will now require the Challenger+ adjustable rebate hinge and encompass a cylinder guard. For customers using the current Flag hinge this no longer achieves the required standard
- ◀ Regarding glass clips, four security clips will be required when using the current glazing bead, but will not be required with the new 28mm Single Leg Bead because this has passed PAS 24 security without the need for security clip. As a result, there will be no charge for glass clips.

For laminated glass requirements see section 3.

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2. Approved Document Q

(What's the difference between Approved Document Q and Secured By Design?)

Both standards call for windows and doors to be made to meet the requirements of PAS 24. Approved Document Q only requires a test report from a UKAS accredited test house.

◀ Approved Document Q only requires frames manufactured to a design **proven by test** to meet the requirements of PAS 24. As you purchase your fabricated frames from SIG then we can provide you with a test report if required.

Approved Document Q Specification as below:

- ◀ Doors will require the Challenger+ adjustable rebate hinge and encompass a cylinder guard. For customers using the current HP Flag or Nexus hinge this no longer achieves the required standard
- ◀ All glazing will require four of the new security glass clips per pane on windows and doors
- ◀ All Document Q windows will be specified with shootbolts, hinge guards and be fully reinforced.

Approved Document Q bead and glass clip specification is the same as Secured By Design.

For laminated glass requirements see section 3.

3. Laminated Glass

The only differentiating factor between Approved Document Q and Secured by Design is that laminated glass **may** be required for Secured By Design products. Regarding SBD the Crime Prevention Design Advisors (CPDA) **may** specify laminated glass to all ground floor windows in cases where there is an extreme crime risk. This will be very rare and must be communicated by the CPDA to the developer or the developer's agent in writing prior to commencement of building construction. In most cases, laminated glass will not be a requirement for ground floor windows.

Approved Document Q does not require laminated glass for ground floor windows with locking handles.

However, Approved Document Q and Secured By Design products will need laminated glass for any windows that are easily accessible with non-locking handles. All easily accessible doors and sidelights are to have laminated glass regardless of locking hardware.

- ◀ Easily accessible, as defined in Approved Document Q states:
 - A window or doorway, any part of which is within 2m vertically of an accessible level surface such as the ground or basement level or access balcony
 - Also, a window within 2m vertically of a flat or sloping roof (with a pitch of less than 30 degrees) that is within 3.5m of ground level.

Wherever laminated glass is required it will need to comply with BS EN 356:2000 class P1A. The industry standard for this is 6.8mm laminated glass, 6.4mm does not meet the requirement. There is no specific requirement to install the laminated pane on the inner or outer face of a glazing unit.

Please note that it is your responsibility, as a customer, to ensure the correct glass is ordered as will not have visibility of what glass specification is required. If you are unsure please contact **Technical Department for clarity.**

3. Laminated Glass (continued)

Do I need to adhere to Approved Document Q?

The requirements are compulsory for any new building and for any new extension. As a simple rule of thumb: if it requires planning permission, it must be compliant with Approved Document Q standards.

The P1A standard requirement for 6.8mm laminated glass must be adhered to regardless of how long the site has been running, and is not linked to when planning permission or starts on site are registered, and as such this needs to be achieved with immediate effect.

How does this affect me?

Changes to the specification of MASCO UK Window Group fabricated products to SBD and Approved Document Q standards will be effective from 1st August 2016. As a result, all orders placed by you the customer for an SBD or Approved Document Q product must be clearly identified on the order, if not specified on the order standard product specification will be manufactured.

Ordering via the electronic system will allow you to select the required standards, for Secured By Design and Approved Document Q as your MAT lists are updated. When filling out the form manually, the option can be written in the "comments" section and please state clearly on the order form.

I hope this helps to clarify the requirements for Secured By Design and Approved Document Q, but please don't hesitate to contact Technical if you have any further questions.

Building Regulations.

Approved Document Q applies based on the below dates:

- < **Does apply** to work where planning or initial notice was applied for after the 1st October 2015, regardless of commencement of works
- < **Does apply** where work or initial notice is applied for before the 1st October 2015 but work does not commence till after the 1st October 2016
- < **Does not apply** to works started prior to 1st October 2015
- < **Does not apply** to where planning or initial notice was applied for before the 1st October 2015 and work started before the 1st October 2016.

Approved Document Q and Secured By Design specification for windows.

(NOTE: As detailed previously the 'window' specification for Part Q and SBD is the same)

- | | |
|---|--|
| < Fully reinforced with either thermal, 5 Chambered sections or steel | < Shoot bolt locking with steel plates to the keeps |
| < Standard friction stays | < 5850 28mm Bead with glass clip |
| < Hinge guards x 2 pairs per sash | < 5859 28mm Single Leg Bead does not require glass clips |
| < Run up blocks x 2 per sash | < 5860 36mm Bead with glass clips |
| | < PAS 24 labels to be affixed in fabrication. |

Approved Document Q and Secured By Design specification for doors.

(NOTE: As detailed previously the 'door' specification for Part Q and SBD is the same)

- | | |
|---|--|
| < Fully reinforced steel | < British Standard Approved security cylinder and guard |
| < One pane of 6.8mm laminated glass to easily accessible doors and sidelights | < 5850 28mm Bead with glass clip |
| < French doors require double handle and high security double lock | < 5859 28mm Single Leg Bead does not require glass clips |
| < Challenger+ Adjustable rebate hinges (No dog bolts required) | < 5860 36mm Bead with glass clips |
| | < 2 x run up blocks per sash |
| | < PAS 24 labels to be affixed in fabrication. |



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About SIG Windows

As a completely independent company, SIG Windows has the freedom to work with the best brands in the Windows, Doors and Conservatories market and supply to you, the installer, to maximise your selling power to ensure your customers get exactly what they want, when they want it. By choosing SIG Windows you benefit from our unbeatable service and support combined with our knowledge and experience - all there to help you make the right choices.