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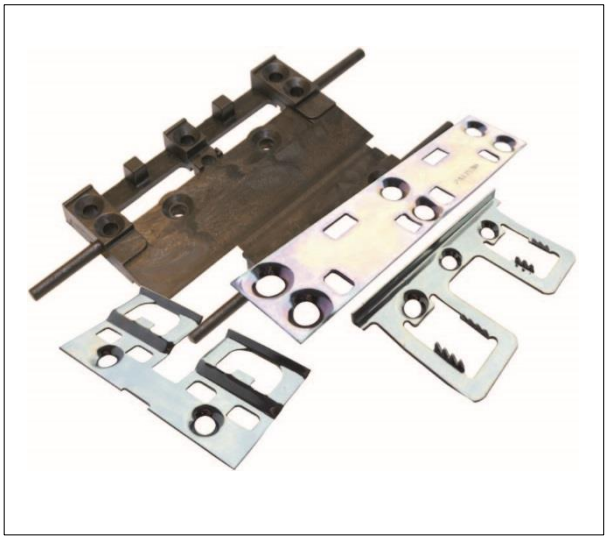
Agrément Certificate
15/5254
Product Sheet 3

GT WINDOW PRODUCTS

DUMMY-SASH LOK

This Agrément Certificate Product Sheet(1) relates to the Dummy-Sash Lok, a multi-part dummy sash retention assembly for locking into place fully-glazed factory-fitted dummy sashes into PVC-U, aluminium or timber window frames.

(1) Hereinafter referred to as 'Certificate'.



CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.

KEY FACTOR ASSESSED

Security — test data has shown the product offers adequate resistance to enhanced intrusion (see section 6).

Durability — the product has been tested and classified to BS EN 1670 : 2007 and has adequate corrosion resistance to the conditions envisaged throughout the expected life of the windows (see section 6).

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrement

Date of First issue: 10 September 2015

John Albon – Head of Approvals Construction Products

Claire Curtis-Thomas
Chief Executive

The BBA is a UKAS accredited certification body – Number 113.
The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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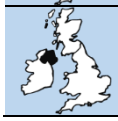
Regulations

In the opinion of the BBA, the use of the Dummy-Sash Lok is not subject to these Regulations:

The Building Regulations 2010 (England and Wales) (as amended)

The Building (Scotland) Regulations 2004 (as amended)



The Building Regulations (Northern Ireland) 2012 (as amended)

Construction (Design and Management) Regulations 2015
Construction (Design and Management) Regulations (Northern Ireland) 2007

In the opinion of the BBA, this Certificate does not include any content relating to the obligations of the client, Principal Designer/CDM co-ordinator, designer and contractors under these Regulations.

Additional Information

NHBC Standards 2014

NHBC accepts the use of the Dummy-Sash Lok, provided it is installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards*, Chapter 6.7 *Doors, windows and glazing.*

Technical Specification

1 Description

1.1 Dummy-Sash Lok (see Figure 1) is a multi-part sash and outer frame assembly comprising:

- Paddle plate (DSL001) — 65 mm by 35 mm CS70 spring steel — for fitting to the outer frame
- Top plate (DSL002) — 90 mm by 20 mm CS70 spring steel — for fitting to the outer frame over the Paddle plate
- Sash plate (DSL004) — 65 mm by 38 mm CS70 spring steel — for fitting to the window sash
- Sash and frame packers(1) — range of colour-coded plastic mouldings, with a locator piece for installation.

(1) Details of the packer types used for specific window systems are available from the Certificate holder.

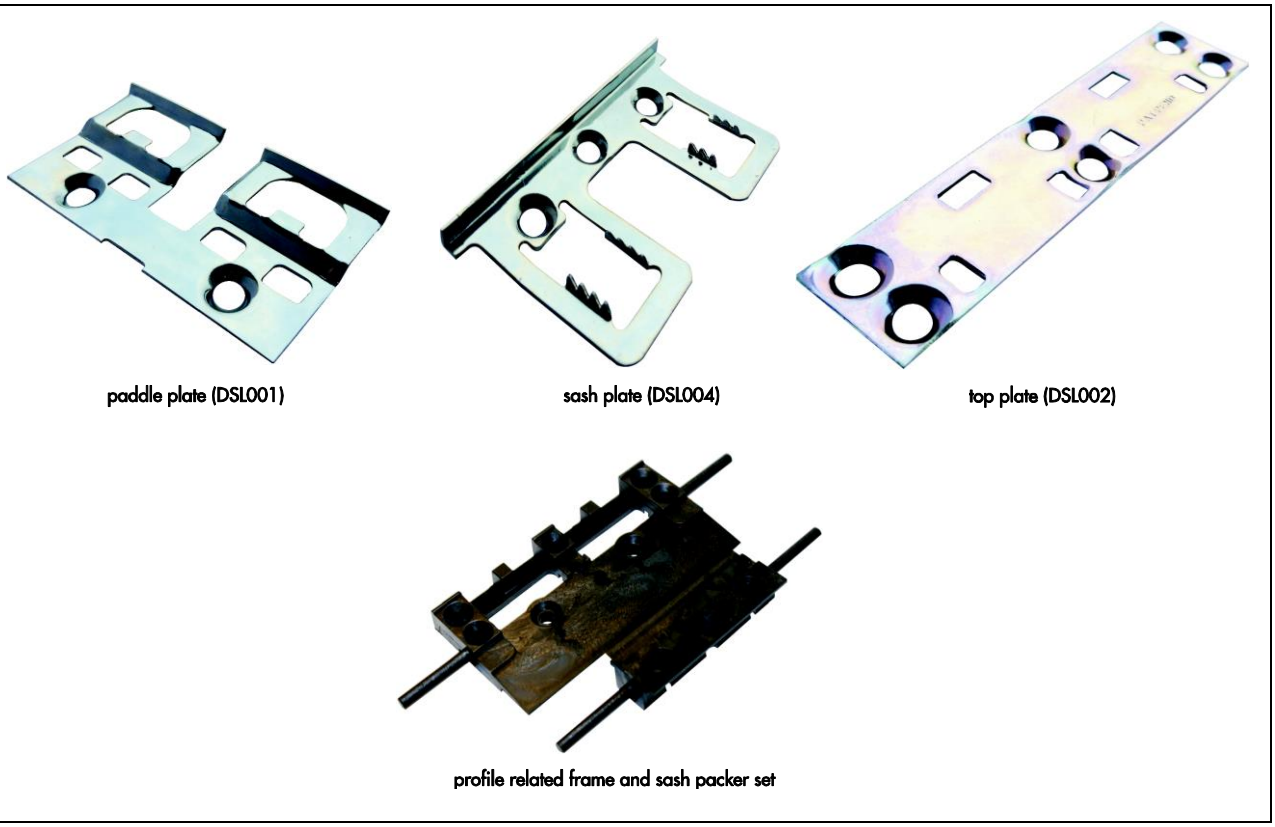
1.2 Other ancillary items included with the kit but outside the scope of this Certificate include:

- Carriage cap — plastic cover to protect plate ends when in transit
- Release instruction label — attached to the sash to identify clip location during installation

1.3 Carbon steel zinc-coated countersunk screws(1), 4.3 mm by 25 mm, are an ancillary item recommended by the Certificate holder to secure the product to the window profile.

(1) Outside the scope of this Certificate.

Figure 1 Dummy-Sash Lok (including ancillaries)



2 Manufacture

2.1 The metal components are manufactured from CS70 carbon spring steel austempered in accordance BS EN 10132-1 : 2000 with a trivalent zinc passivate electroplated finish.

2.2 The packers are manufactured from moulded acetyl butyl styrene (ABS).

2.3 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- assessed and agreed the quality control operated over batches of incoming materials
- evaluated the process for management of nonconformities
- undertaken to carry out the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control being operated by the manufacturer are being maintained.

3 Delivery and site handling

3.1 The components are packaged in cardboard boxes in quantities of 1000.

3.2 Boxes should be stored under cover in a clean area and suitably supported to avoid damage.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Dummy-Sash Lok.

Design Considerations

4 Use

4.1 The Dummy-Sash Lok is used for locking fully-glazed dummy sashes into PVC-U, aluminium or timber window frames. The Certificate holder will advise on the suitability of the window profile. It is the responsibility of the specifier to ensure that the finished window meets any required safety specifications.

4.2 The window system supplied must provide profiles to which the product can be correctly fitted and therefore allow installation to be carried out in accordance with the Certificate holder's instructions.

5 Practicability of installation

The product is designed to be installed by competent window installers experienced with this type of product.

6 Security

6.1 Examination of test data has shown that, used on PVC-U windows, the product can meet the requirements of the following test elements of PAS 24:

- manipulation
- infill mechanical test
- mechanical loading test.

6.2 Mechanical loading tests have achieved forces up to 3 kN and the product therefore has adequate resistance to forces likely to be envisaged in service.

7 Maintenance

Should it be necessary to remove the product, it can be removed and replaced by using a specialist tool(1) to facilitate de-glazing.

(1) Available from the Certificate holder.

8 Durability

8.1 The metal components were tested for resistance to salt-spray corrosion as defined in BS EN 1670 : 2007 and achieved Grade 3 — *High corrosion resistance*, and therefore have adequate corrosion resistance to the conditions envisaged throughout the expected life of the windows.

8.2 The components are constructed from durable materials and, when installed in accordance with this Certificate, will last the expected life of the window. Where windows are to be installed in areas subject to particularly corrosive conditions (such as coastal locations or near sources of industrial pollutants), components may need to be replaced within the lifetime of the window.

8.3 The components may also need to be replaced within the life of a window if the window becomes damaged.

9 Reuse and recyclability

The components are manufactured from steel can be recycled.

10 General

10.1 Installation of the Dummy-Sash Lok must be carried out in accordance with the Certificate holder's instructions.

10.2 The assemblies can be fitted in either vertical or horizontal positions for glazed sashes. Two assemblies per side are used on sash lengths up to 1000 mm. Sashes above 1000 mm in length should have a third assembly fitted at the mid-point.

10.3 Run-up blocks should be used in conjunction with the assemblies to enable the sash to be centralised in position.

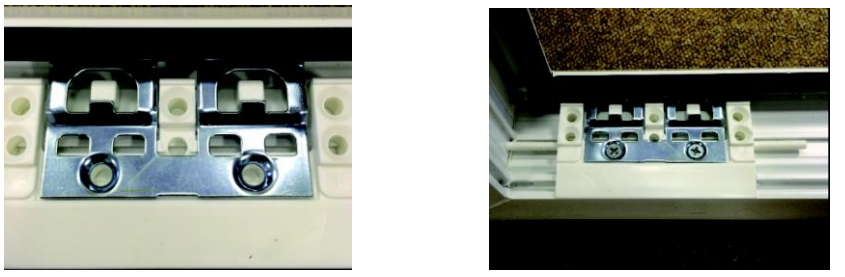
11 Procedure

11.1 The installation procedure is shown in Figure 2. The selected frame packer (as specified for the correct profile system) is aligned to the corner of the frame using the locator length as a guide. The paddle plate is inserted and clipped in over the packer (1) and both are secured with two countersunk screws (as specified in section 1.3) into the steel reinforcement of the frame (2). The Top Plate is secured over the Paddle Plate with three countersunk screws (3).

11.2 The sash packer is positioned into place on the sash using the locator dowel and secured with three countersunk screws (4). The protective carriage cap can be fitted when the window is in transit, prior to installation.

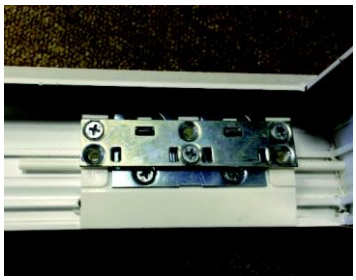
11.3 The sash is offered up to the frame and clipped into place.

Figure 2 Sequence of installation

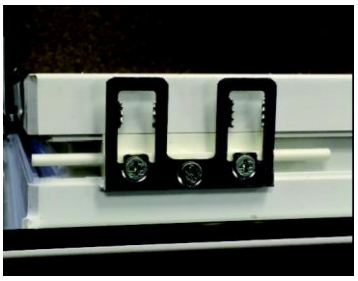


1 The paddle plate is located onto the frame packer

2 The assembly is located onto the window frame using the locator length as a guide



3 The assembly is secured into place with the recommended fixings



4 The sash plate is located onto the packer and secured to the sash using the locator length as a guide with the recommended fixings

Technical Investigations

12 Tests

Tests were carried out to determine:

- resistance to salt-spray corrosion in accordance with BS EN 1670 : 2007.

13 Investigations

13.1 As part of this assessment, previous test data was examined on:

- sash and frame manipulation
- mechanical loading.

13.2 An assessment was made of the durability of the components used in the manufacture of the products.

13.3 The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of materials used.

Bibliography

BS EN 1670 : 2007 *Building hardware — Corrosion resistance — Requirements and test methods*

14 Conditions

14.1 This Certificate:

- relates only to the product/system that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

14.2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

14.3 This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

14.4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

14.5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- actual installations of the product/system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to CE marking.

14.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.

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