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Agrément Certificate
14/5154 (ES1)

ENHANCED SECURITY TO PAS 24 FOR PRODUCT SHEET 1

EUROLOGIK 70 OUTWARD OPENING SYSTEM

This Enhanced Security sheet is not valid in isolation and must be read in conjunction with Product Sheet 1 of this Certificate. The information in this sheet supplements the details given in Product Sheet 1, section 9 *Unauthorised access*.

- *The details in this sheet are only relevant to windows fabricated by a BBA approved window fabricator and meeting the specification defined in section 2 Scope of approval.*
- *It is essential that the windows are installed in accordance with the recommendations contained in Product Sheet 1 and in the manufacturer's instructions to achieve the standard of enhanced security defined in this sheet.*



1 General

Selected windows from the Eurologik 70 Outward Opening System covered by Product Sheet 1 were tested in accordance with PAS 24 : 2012 Annex C *Specification for enhanced security performance of windows* and met the requirements.

2 Scope of approval

2.1 The specification for the windows considered to offer enhanced security are classified W K and comprise windows with 28 mm glazing units, all fabricated from components as listed in Tables 1 and 2, and in accordance with the recommendations contained in the fabrication instructions and Product Sheet 1.

2.2 The scope of the test programme does not cover glass breakage as a means of entry. In locations where this is considered to be a significant risk the use of laminated glass or other suitable glazing material may be necessary or required by Secured by Design (SbD) schemes.

3 Design features

All main frame, opening light, mullion and transom (welded) profiles must be reinforced with steel or PVC-U thermal inserts in accordance with the recommendations contained in the fabrication instructions and Product Sheet 1.

4 Design considerations

4.1 Only the specification of windows referred to in Tables 1 and 2 can be considered to meet the requirements. Any design variations to the frame profiles, internal reinforcement, locking mechanisms, handles, keeps, striker plates, hinges, hinge protectors or associated fasteners will require the window to be retested.

4.2 To ensure the level of resistance to intrusion indicated by the tests is achieved, installation must be carried out in accordance with the recommendations contained in Product Sheet 1 and the manufacturer's instructions. For example, correct glass packing and fixing of the window into the opening are critical.

4.3 Windows assessed for enhanced security are designed to resist attempts to forced entry by the opportunist intruder using basic hand tools. However, the scope of assessment does not extend to an assurance of absolute security. In addition, window security must be considered in the context of the overall security of the building, taking into account such factors as vulnerability of individual windows and the security of doors.

The BBA has awarded this Certificate for Enhanced Security to PAS 24 to the company named above for the window systems described herein provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Second issue: 28 August 2019

John Albon
Chief Scientific Officer

Claire Curtis-Thomas
Chief Executive

Originally certificated on 13 October 2014

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 Certificate by either referring to the BBA website or contacting the BBA direct.

Table 1 EuroLogik 70 Outward Opening System — list of components⁽¹⁾

	Application	Profile type/ section or quantity	Manufacturer's designation⁽²⁾
Profiles	outer frame	L	EWS 7021
	outer frame	L	EWS 7721
	transom/mullion	T	EWS 7002
	transom/mullion	Z	EWS 7003
	transom/mullion	T	EWS 7702
	transom/mullion	Z	EWS 7703
	sash	Z	EWS 7004
	sash	T	EWS 7005
	sash	T	EWS 7705
	steel reinforcement (EWS 7021, EWS 7721, EWS 7002, EWS 7003, EWS 7702, EWS 7703)	—	EWS 601S
	steel reinforcement (EWS 7004, EWS 7005, EWS 7705)	—	EWS 7604S
Glazing retention	external glazing bead	—	EWS 7301
	external glazing bead	—	EWS 7312
	internal glazing bead	—	EWS 7301
	internal glazing bead	—	EWS 7312
	GT Securi-clip glazing clips	—	✓
Furniture and fittings	espagnolette handle (key locking)	—	✓
	espagnolette/shootbolt — Maco Mk2	—	✓
	espagnolette/shootbolt keeps — Maco	—	✓
	friction stays — Securistyle Defender	—	✓
	hinge protectors — Securistyle Vector Excluder ASD2	—	✓
	run up blocks	—	EWS 7202

(1) Individual components listed in Table 1 cannot be interchanged with components listed in Table 2

(2) These items may be unmarked and it is recommended that, if in doubt, the purchaser seeks written assurance of the component specifications from the Certificate holder. All fixings for components must be as detailed in the relevant fabrication instructions.

Table 2 EuroLogik 70 Outward Opening System — list of components⁽¹⁾

	Application	Profile type/ section or quantity	Manufacturer's designation⁽²⁾
Profiles	outer frame	L	EWS 7021
	outer frame	L	EWS 7721
	transom/mullion	T	EWS 7002
	transom/mullion	Z	EWS 7003
	transom/mullion	T	EWS 7702
	transom/mullion	Z	EWS 7703
	sash	Z	EWS 7004
	sash	T	EWS 7005
	sash	T	EWS 7705
	PVC-U thermal insert reinforcement (EWS 7021, EWS 7721)	—	EWS 821P
	PVC-U thermal insert reinforcement (EWS 7002, EWS 7702, EWS 7003, EWS 7703)	—	EWS 801P
	PVC-U thermal insert reinforcement (EWS 7005, EWS 7705)	—	EWS 805P
	Glazing retention	internal glazing bead	—
internal glazing bead		—	EWS 7312
GT Securi-clip glazing clips		—	✓
Furniture and fittings	espagnolette handle (key locking)	—	✓
	espagnolette/shootbolt — Maco Mk1	—	✓
	espagnolette/shootbolt keeps — Maco	—	✓
	friction stays — DGS Elite	—	✓
	hinge protectors — DGS	—	WIR/17

(1) Individual components listed in Table 2 cannot be interchanged with components listed in Table 1.

(2) These items may be unmarked and it is recommended that, if in doubt, the purchaser seeks written assurance of the component specifications from the Certificate holder. All fixings for components must be as detailed in the relevant fabrication instructions.

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