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Agrément Certificate
19/5677 (ES1)

ENHANCED SECURITY TO PAS 24 FOR PRODUCT SHEET 1

THERMO HS AND HS ALU TIMBER LIFT/SLIDE DOOR SYSTEMS

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 doors fabricated by Inwido Production S.A. and meeting the specification defined in section 2 Scope of approval*
- *It is essential that the doors are installed in accordance with the recommendations contained in Product Sheet 1 and in the Certificate holder's instructions to achieve the standard of enhanced security defined in this sheet.*



1 General

Selected doors from the Thermo HS and THERMO HS ALU timber lift/slide door systems covered by Product Sheet 1 were tested to PAS 24 : 2016 *Enhanced security performance requirements for doorsets and windows in the UK — Doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk* and met the requirements.

2 Scope of approval

2.1 The specification for the lift/slide doors considered to offer enhanced security comprises doors with 24 to 42 mm double- and triple-glazed glazing units, all fabricated from components as listed in Table 1 and shown in Figure 1, and in accordance with the recommendations contained in the fabrication instructions and this Certificate.

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 and opening light profiles must be joined together in accordance with the recommendations contained in the fabrication instructions and this Certificate.

4 Design considerations

4.1 Only the specification of doors referred to in Table 1 and shown in Figure 1 can be considered to satisfy the requirements. Any design variations to the frame profiles, locking mechanisms, handles, locking cams, striker plates, rollers or associated fasteners will require the door 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 Certificate holder's instructions. For example, correct glass packing and fixing of the door into the opening are critical.

4.3 Doors assessed for enhanced resistance to intrusion 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, door security must be considered in the context of the overall security of the building, taking into account such factors as vulnerability of individual doors and the security of windows.

The BBA has awarded this Certificate for Enhanced Security to PAS 24 to the company named above for the door 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 First issue: 22 July 2019

John Albon
Chief Scientific Officer

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. Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

Table 1 Specification of door components

Application	Manufacturer's designation ⁽¹⁾
Door handle (lever/pad) – Siegenia Si-line	PMHB0020-524011
Multipoint lock – Siegenia HS-Portal 200-PZ	PGKB0050-524011 PGKB0060-524011
Locking cams – Siegenia short keep – Siegenia long bottom keep	719152 719169
Cylinder (key/pad) – LOB half-cylinder 0/60 silver	OKU-WKL-0/60NIK
Interlock – Siegenia SKG	PMZB0150-100010
Lift/slide rollers – Siegenia HS 300-H	PMKB0030-100011
Sealing wedge for the top of sliding leaf	PMKB0120-1E6010

(1) These items may be unmarked and it is recommended that, if in doubt, the purchaser seeks written assurance of the component specification from the Certificate holder.

Figure 1 THERMO HS and THERMO HS ALU lift/slide door vertical section (all dimensions in mm)

