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Agrément Certificate
15/5186 (ES2)

ENHANCED SECURITY TO PAS 24 FOR PRODUCT SHEET 2

MODUS SINGLE LEAF AND DOUBLE LEAF DOOR SYSTEM

This Enhanced Security sheet is not valid in isolation and must be read in conjunction with Product Sheet 2 of this Certificate. The information in this sheet supplements the details given in Product Sheet 2, section 9 *Unauthorised access*.

- *The details in this sheet are only relevant to doors fabricated by Unique Window Systems Ltd 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 2 and in the manufacturer's instructions to achieve the standard of enhanced security defined in this sheet.*



1 General

Selected doors from the Modus Single Leaf and Double Leaf Door System covered by Product Sheet 2 were tested in accordance with 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 are classified as D.

2 Scope of approval

2.1 The specification for the doors considered to offer enhanced security comprises doors with 28 mm glazing units, all fabricated from components as listed in Table 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, door leaf and midrail profiles must be welded 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 Tables 1 and 2 can be considered to satisfy the requirements. Any design variations to the frame profiles, locking mechanisms, handles, hinges, keeps, security plates, 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 2 and the manufacturer's instructions. For example, correct glass packing and fixing of the door into the opening are critical.

4.3 Doors 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, 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 system described herein provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Third issue: 1 April 2021

Originally certificated on 2 March 2018

Hardy Giesler
Chief Executive Officer

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 MUST check the validity and latest issue number of this Certificate by either referring to the BBA website or contacting the BBA directly.

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

Table 1 Modus Single Leaf and Double Leaf Door System — list of components⁽¹⁾

Component	Application	Profile type/ section or quantity	Manufacturer's designation ⁽²⁾
Profiles	outer frame	L	LSF 1006
	French mullion	T	LSF 1016
	door leaf	Z	LSF 1018
	door leaf	T	LSF 1019
	midrail	T	LSF 1009
	low threshold	—	LSF 1145
	low threshold seal	—	LSF 1146
	threshold ramp A	—	LSF 1546A
	threshold ramp B	—	LSF 1547A
	reinforcement for LSF 1018, LSF 1019, hinge side	—	LSF 1618S
	reinforcement for LSF 1018, LSF 1019, lock side	—	LSF 1619S
	reinforcement for LSF 1016	—	EWS 7621S EWS 801P
Glazing retention	internal glazing beads	—	LSF 1301
Furniture and fittings			
Locking mechanism	Maco CTS <i>single leaf</i> : 7-point locking, 3 hook bolts, 4 roller cams, 1 dead bolt <i>master leaf</i> : 7-point locking, 2 hook bolts, 2 roller cams, 2 shoot bolts, 1 dead bolt <i>slave leaf</i> : 2 shoot bolts	—	✓
Hinges	SFS Dynamic 2D	3	✓
Handles	Mila ProSecure, lever/lever, key lockable	—	✓
Cylinder	ERA Anti Bump Euro profile	—	✓
Dog bolts	Mila Fearless	—	✓
Run up blocks	single leaf	8	LSF 1202
	double leaf	5	

(1) Individual components listed in this Table cannot be interchanged with components 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 specification from the Certificate holder. All fixings for components must be as detailed in the relevant Fabrication Manual.

Table 2 Modus Single Leaf and Double Leaf Door System — list of components⁽¹⁾

Component	Application	Profile type/ section or quantity	Manufacturer's designation ⁽²⁾	Fixings
Profiles	outer frame	L	LSF 1006	
	French mullion	T	LSF 1016	
	door leaf	Z	LSF 1018	
	door leaf	T	LSF 1019	
	midrail	T	LSF 1009	
	low threshold	—	LSF 1145	
	low threshold seal	—	LSF 1146	
	threshold ramp A	—	LSF 1546A	
	threshold ramp B	—	LSF 1547A	
	reinforcement for LSF 1018, LSF 1019, hinge side	—	LSF 1618S	
	reinforcement for LSF 1018, LSF 1019, lock side	—	LSF 1619S	
	reinforcement for LSF 1016	—	EWS 7621S EWS 801P	
Glazing retention	internal glazing beads	—	LSF 1301	
Furniture and fittings				
Locking mechanism	Ingenious Locks & Hardware <i>master leaf</i> : 7-point locking, 3 hook bolts, 4 roller cams <i>slave leaf</i> : 2 shootbolts MPL	—	✓	9 x Rapier Star screws BSR 3.8 x 30 mm
	Striker keeps 1130-1133 and 1130- 1133SR	—	✓	11 x Rapier Star gimlet point screws BSR 3.8 x 30 mm GP and 9 x Rapier Star self- tapping screws BSR 4.2 x 38 mm ST
	shootbolt keeps 1127-1333	—	✓	2 x Rapier Star self- tapping screws BSR 4.2 x 38 mm ST
Hinges	SFS Dynamic 2D	3	✓	7 x Rapier Star screws BSR 4.2 x 55Z
Handles	Quantum MK2, lever/lever, key lockable	—	✓	
Cylinder	TITON ASTERION 3-star	—	✓	1 screw M5

(1) Individual components listed in this Table cannot be interchanged with components 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 specification from the Certificate holder. All fixings for components must be as detailed in the relevant Fabrication Manual.