

## Sliders UK Ltd

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Agrément Certificate  
No 08/4540 (ES1)

### ENHANCED SECURITY

### DURAFLEX DIAMOND SUITE SLIDING PATIO DOOR 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 8 *Security against intrusion*.

- The details in this sheet are only relevant to patio doors fabricated by Sliders UK 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 1 and in the manufacturer's instructions to achieve the standard of enhanced security defined in this sheet.



## 1 General

Selected patio doors from the Duraflex Diamond Suite Sliding Patio Door System covered by Product Sheet 1, were tested to the principals of PAS 24 : 2007 *Enhanced security performance requirements for door assemblies — Single and double leaf, hinged external and door assemblies to dwellings* and met the requirements. The tests included: soft body impacts, hard body impacts, simultaneous in-plane/lateral loading (1.5 kN perpendicular and 4.5 kN lateral loads), manipulation, mechanical tests on glazing, and hard body impact on the lock handle as well as security hardware and cylinder attack.

## 2 Scope of approval

2.1 The specification for the patio 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 *Duraflex Diamond Suite Sliding Patio Door Manual*.

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 mid-rail profiles must be reinforced with steel in accordance with the recommendations contained in the *Duraflex Diamond Suite Sliding Patio Door Manual*.

## 4 Design considerations

4.1 Only the specification of doors referred to in Table 1 can be considered to meet the requirements. Any design variations to the frame profiles, internal reinforcement, locking mechanisms, handles, keeps, security plates, wheels, interlocks 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 manufacturer's instructions. For example, correct glass packing and fixing of the door into the opening are critical.

4.3 Patio 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 Agrément Certificate to the company named above for Enhanced Security to the system described herein. This system 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 Agrément

Date of First issue: 23 January 2009

Chris Hunt  
Head of Approvals — Physics

Greg Cooper  
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](http://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.

Table 1 Diamond Suite Sliding Patio Door System — List of components

	Application	Profile type/ section or quantity	Manufacturer's designation <sup>(1)</sup> (Art No)
			Outward Opening
<b>Profiles</b>	door outer frame	L	3601
	door leaf	Z	3600
	door leaf	T	3615
	reinforcement (3601)	—	AE3812 GS
	reinforcement (3601)	—	AE1210 GS
	reinforcement (3600, 3615)	—	AE3621
	PVC cap threshold, jambs and head		3602
<b>Glazing retention</b>	glazing beads (5844, 5855)	—	✓
<b>Furniture and fittings</b>			
<b>Wheels</b>	MI products	2	302017
<b>Locking mechanism</b>	Winlock Security 6 hook bi-closing patio door lock	—	✓
<b>Keep</b>	Winlock Security one piece stainless steel keep	—	✓
<b>Security plates</b>	Winlock Security (3601) steel	—	✓
	Winlock Security (3600, 3615) steel	—	✓
<b>Interlocks</b>	Winlock Security fitted with spring bolts	6	✓
<b>Handles</b>	MI Products — Sliders security handle	—	✓
<b>Cylinder</b>	Yale 35/35 Kitemarked anti-bump	—	✓

(1) 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 *Duraflex Diamond Suite Sliding Patio Door Manual*.