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Agrément Certificate
13/5043 (ES1)

ENHANCED SECURITY TO PAS 24 FOR PRODUCT SHEET 1

ASPECT PANORAMIC PVC-U BI-FOLD 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 9 *Basic security against intrusion*.

- The details in this sheet are only relevant to doors fabricated by a BBA approved Eurocell window fabricator 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 doors from the Aspect Panoramic PVC-U Bi-Fold Door System covered by Product Sheet 1, were tested to PAS 24 : 2012 *Enhanced security performance requirements for doorsets and windows in the UK — External 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 bi-fold 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 *Eurocell Aspect Panoramic Bi-fold 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 and opening light profiles must be welded in accordance with the recommendations contained in the *Eurocell Aspect Panoramic Bi-fold 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, reinforcements, locking mechanisms, handles, keeps, striker plates, hinges, 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 manufacturer'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 Agrément Certificate for Enhanced Security to the company named above for the window system detailed herein, provided it is installed, used and maintained as set out in this Agrément Certificate.

On behalf of the British Board of Agrément

John Albon — Head of Approvals
Energy and Ventilation

Claire Curtis-Thomas
Chief Executive

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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.

Table 1 Aspect Panoramic PVC-U Bi-fold Door System – List of components

	Application	Profile type/ section or quantity	Manufacturer's designation ⁽¹⁾
Profiles	outer frame	C	EWS 7071
	sash/leaf	L	EWS 7075
	galvanized steel reinforcement (EWS 7075)	—	EWS 7675S
	aluminium track (head and jambs of frame)	—	EWS 7572A
	aluminium track (bottom track)	—	EWS 7571A
Leaf gaskets	black PCE gasket	—	EWS 7475G
	woolpile gasket	—	EWS 7471GWP
Glazing retention	28 mm internal glazing beads	—	EWS 7301 EWS 7312
	glazing clips	—	GT Windows Securi-clips
Furniture and fittings	door handle (lever/lever) Hoppe Tokyo security handle	—	EWS 7880
	shootbolt handle (D-handle)	—	EWS 7872
	espagnolette/shootbolt Milenco Mantis 3 door espagnolette system (with shootbolt)	—	EWS 7882
	shootbolt kit (separate)	—	EWS 7871
	keep set	—	EWS 7878
	hinges		EWS 7873
	knuckle butt hinges	—	EWS 7875 (double)
	knuckle roller hinges	—	EWS 7876 (single)
	cylinder (key/key) or (key/thumbturn)	—	KABA Gege pExtra 45/45 anti-bump double cylinder (brass)
			Yale Security cylinder
	dogbolts	—	SAC Systems SAC-Bolt

(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.